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Washington Agricultural Statistics 1979

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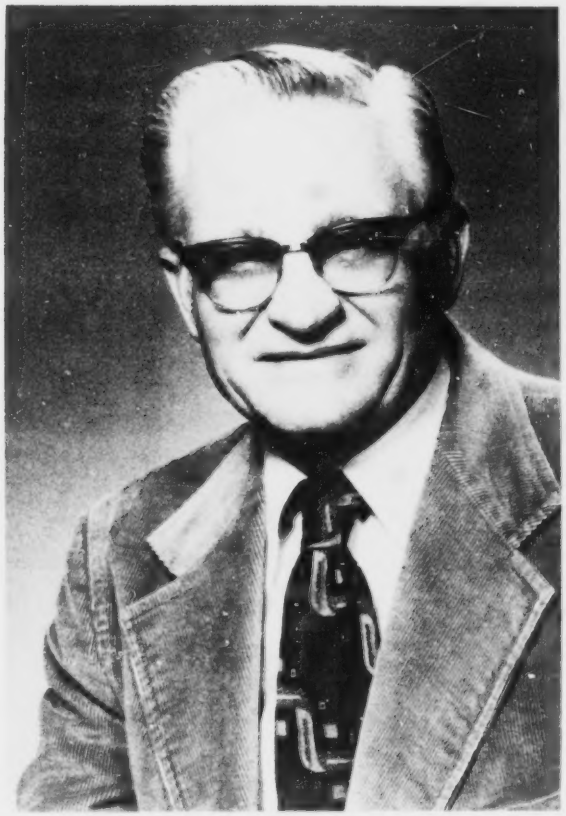

Bob J. Mickelson, Director

Agriculture maintained its ranking as Washington's number one money making industry in spire of several hard blows dealt to it by nature and the economy.

True to their announcement, U & I sugar closed its doors in 1978, leaving sugar-beet farmers with some 70,000 acres for which they need to find a new crop. Pending a long term solution, most of the acreage was planted to grain crops in 1979. Severe winter freezes damaged several crops, but none so drastically as in Washington's grape industry, where production was cut by nearly half. The U.S. Department of Labor regulations prohibiting 10 and 11 year-olds from picking still hampered the harvest of West Coast berry crops.

On the plus side, the State made a strong recovery from the effects of the 1977 drought. Hay crops experienced an enormous price increase, which added 40 percent to the value of the produce over that in 1978. In the livestock area, increased production plus large jumps in price for cattle and calves and increases in other segments pushed the dollar value of the industry to a new high.

Looking forward to the 1980's, much discussion has centered around "energy crops". Will this old concept, experiencing a rebirth, help solve the nation's energy problems while providing new cash crops for Washington farmers? The next decade should hold the answer to this and many other questions.

This edition of Washington Agricultural Statistics is produced as a service to agriculture and related business through the cooperation of the Washington State Department of Agriculture and the Economics, Statistics, and Cooperatives Service of USDA.

I would like to take this opportunity to thank all who provided the data to our federal and state agencies that made this publication possible.

Bob J. Mickelson

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SECTION A: General

The 1979 crop year began in August of 1978 with seeding of the fall grains. Weather conditions during September were quite favorable as late August rains created excellent soil moisture levels. Early seeded acreages responded well, and by the end of September, stands were in good condition. Weather in October, however, turned very dry and much of the stored moisture was depleted. Many fields planted in October were struggling to emerge at month's end. Western Washington experienced cool and rainy weather in September, but October was very warm, reflecting a true Indian Summer. This combination of rain and sun was very beneficial to range and pasture growth. Feed supplies for dairy cows and livestock were more than adequate.

The end of 1978 ushered winter into most parts of Washington State. Freezing temperatures accompanied with snow, blanketed many areas of eastern Washington. Late December saw a dramatic drop in mercury to -16 degrees in the far easterly counties of the State. At that time, fall grains had a fair amount of protective snow cover. Orchardists kept busy with rodent control and pruning activities. In the west, temperatures were also unseasonably cold with rain and snow showers during the period. Farm activities consisted of caneberry pruning and care of livestock.

The very cold temperatures continued in January and February with record lows occurring through the State the first week of January. Growers in Wheat producing counties were concerned over the possibility of extensive winter injury to fall grains. In western Washington, the cold temperatures affected berry growers and some winter injury was anticipated. Harvest of forced rhubarb began in mid-January and progressed through early spring. By mid-February, tulips and daffodils were making good growth.

Early calving and lambing also occurred. Livestock were in good condition but consuming large amounts of hay coming in from eastern Washington. February was the month that heavy winds took out the Hood Canal floating bridge.

March and April marked the beginning of intensified farming activity. West of the mountains, growers prepared seedbeds and planted a variety of early vegetable crops. Raspberry and strawberry growers were busy digging plant stocks and setting out new fields. Berry plants started growing rapidly and bud development followed. Forced rhubarb harvest tapered off about April 1 as field rhubarb got underway, thereafter. Picking of daffodil flowers started in early March and tulips a month later. In the east, orchardists pruned, removed brush, and sprayed trees. By the end of April, apricots, cherries, peaches, pears, and apples had bloomed. In irrigated areas, planting of potatoes, mint, green

peas, and other vegetables was active during April. Asparagus cutting got underway in mid-April but was slowed by the cool weather. Washington's grain producers did not fare very well through the winter and as spring approached, damage was substantial. Reseeding of damaged winter wheat fields pushed spring wheat acreage to the highest level since 1953. Dry peas and lentils were also planted. Calving and lambing were in full swing through March, winding down in April.

The late spring and early summer months were ideal for development of most crops. Effects of winter damage to both strawberries and raspberries were reduced somewhat, though yields were still below average. Plantings of spring crops progressed and neared completion by the end of May. Wheat and barley were turning color as June came to a close.

Harvest of a variety of crops was a major activity during June. Crops harvested included strawberries, raspberries, green peas, lettuce, radishes, field rhubarb, asparagus, and cherries. Orchard workers also hand thinned apples through both May and June. Pastures were growing well with livestock also in good condition. The first cutting of alfalfa hay was completed in May.

July and August saw the beginning and end of many crop harvests. Strawberry and raspberry harvests concluded by the end of July, giving way to the start of blueberries and blackberries. Most crops make good progress during this period, but sweet and silage corn in western Washington suffered from moisture stress. Flower bulb harvest was active during July and green peas were completed by the end of August. Fruit picking progressed with the completion of both cherries and apricots occurring by late July. Peach and prune harvests were active during August with peaches continuing through most of September. Picking of Bartlett pears got underway in early August and was complete by Labor Day. Hand thinning of apples continued and the Red Delicious crop started to color around mid-August. Picking of summer varieties was active during the month. Early Norgolds were dug in late July, but the potato harvest began in earnest a couple of weeks later. Combining of small grains, peas, lentils, and grass seeds all took place and these harvests were virtually complete by late August. The Walla Walla sweet onion deal progressed, as did hops and the cutting of alfalfa hay. Mint and grape growers discovered the extent of winter injury, with yields greatly reduced. By September 1, many areas of eastern Washington were in need of rain to boost poor soil moisture levels.

With fall approaching, the 1979 farming cycle neared the end. Harvest of D'Anjou pears was finished in September. The Red Delicious crop was delayed because warm weather slowed coloring. By the end of October, apple harvest was complete. Potato digging was also slowed by warm temperatures and completion occurred in early November. Concord grapes were harvested from mid-September to mid-October. Planting of flower bulbs and harvest of late vegetables was active, continuing into November. Christmas tree harvest was underway by mid-November and in full swing by the end of the month. Most dairy herds were put on winter rations by early November. Soil moisture conditions needed improvement before farmers readied themselves for the 1980 crop season.

RANK OF PRINCIPAL COMMODITIES, VALUE OF PRODUCTION,

WASHINGTON, 1978-79

Commodity	Rank 1978	Rank 1979	Value 1978	Value 1979	Percent Change '78-'79
			000 Dollars		
Wheat	1	1	451,122	466,100	+ 3
Milk	2	2	290,921	342,942	+ 18
Apples	3	3	270,648	312,320	+ 15
Cattle & Calves	4	4	208,455	309,470	+ 48
Hay	6	5	122,645	174,589	+ 42
Potatoes	5	6	124,178	123,548	- 1
All Pears	7	7	53,052	52,657	- 1
Eggs	10	8	43,719	49,712	+ 14
Barley	11	9	43,578	43,376	--
Sweet Cherries	8	10	46,966	41,814	- 11
Hops	14	11	34,838	38,454	+ 10
Lentils	19	12	21,930	37,080	+ 69
Corn, Grain	21	13	19,562	35,545	+ 82
Green Peas	17	14	24,174	30,623	+ 27
Seed Crops	13	15	35,325	30,069	- 15
Chickens & Broilers	18	16	23,389	26,842	+ 15
Asparagus	16	17	24,335	26,371	+ 8
Sweet Corn	20	18	19,906	22,805	+ 15
Corn, Silage	22	19	18,894	21,736	+ 15
Grapes	12	20	35,717	21,074	- 41
Dry Edible Beans	27	21	8,870	18,067	+104
Mint Oil	15	22	27,240	17,116	- 37
Hogs	25	23	9,968	13,448	+ 35
Dry Edible Peas	23	24	16,800	13,350	- 21
Red Raspberries	26	25	9,335	8,854	- 5
Carrots	30	26	5,171	8,376	+ 62
Onions	24	27	11,552	8,215	- 29
Mink	28	28	6,618	7,052	+ 7
Strawberries	31	29	4,452	5,696	+ 28
Peaches	29	30	5,472	5,022	- 8
Cranberries	34	31	3,016	3,749	+ 24
Oats	35	32	2,819	2,973	+ 5
Prunes	32	33	3,174	2,895	- 9
Sheep, Lambs & Wool	36	34	2,622	2,721	+ 4
Blueberries	33	35	3,092	2,626	- 15
Cucumbers	37	36	2,401	2,396	--
Lettuce	39	37	1,612	2,387	+ 48
Honey & Beeswax	38	38	1,635	1,709	+ 5
Cabbage	40	39	1,402	1,449	+ 3
Snap Beans	--	40	917	1,383	+ 51
Sugarbeets	9	--	46,820	---	--

TONNAGE AND VALUE,

CROPS, LIVESTOCK, AND LIVESTOCK PRODUCTS

WASHINGTON, 1978-79

Item	Production		
	1978	1979 Preliminary	Percent of Previous Year
	Tons		Percent
Field Crops	14,361,000	11,563,000	81
Seed Crops	40,451	42,227	104
Fruit & Nut Crops	1,614,230	1,734,840	107
Berry Crops	25,777	25,017	97
Vegetable Crops	745,950	810,180	109
TOTAL CROPS	16,787,408	14,175,264	84
Specialty Products	---	---	---
Livestock and Livestock Products	1,697,510	1,796,765	106
GRAND TOTAL	18,484,918	15,972,029	86

1/ Specialty products are not included but are included in grand total of value.

TONNAGE AND VALUE,

CROPS, LIVESTOCK, AND LIVESTOCK PRODUCTS,

WASHINGTON, 1978-79

Value		
1978	1979 Preliminary	Percent of Previous Year
000 Dollars		Percent
961,421	1,013,634	105
35,325	30,069	85
417,810	438,168	105
20,840	21,730	104
103,679	118,972	115
1,539,075	1,622,573	105
144,595	155,000	107
599,141	766,142	128
2,282,811	2,543,715	111

NUMBER OF FARMS AND LAND IN FARMS,

WASHINGTON AND UNITED STATES, 1850-1978

Year	Number of Farms		Land in Farms		Average Size	
	Washington	United States	Washington	United States	Washington	United States
	Thousands		000 Acres		Acres	
1850	N.A.	1,449	N.A.	293,561	N.A.	203
1860	1.3	2,044	366	407,213	275	199
1870	3.1	2,660	649	407,735	208	153
1880	6.5	4,009	1,409	536,081	216	134
1890	18.1	4,565	4,179	623,219	231	137
1900	33.2	5,740	8,499	841,202	256	147
1910	56.2	6,366	11,712	881,431	208	138
1920	66.3	6,454	13,245	958,677	200	148
1925	73.3	6,372	12,610	924,319	172	145
1930	70.9	6,295	13,534	990,112	191	157
1935	84.4	6,812	14,680	1,054,515	174	155
1940	81.7	6,102	15,182	1,065,114	186	174
1945	79.9	5,859	16,720	1,141,615	209	195
1950	69.8	5,388	17,369	1,161,420	249	216
1954	65.2	4,782	17,641	1,158,192	271	242
1959	51.6	3,710	18,717	1,123,508	363	303
1964	45.7	3,158	19,053	1,110,187	418	352
1969	34.0	2,730	17,559	1,062,893	516	389
1974	29.4	2,314	16,662	1,017,030	567	440
1978 1/	37.8	N.A.	17,041	N.A.	451	N.A.

1/ Preliminary.

The figures shown in the above table are not strictly comparable because of changes-in-farm definition, data collection procedures, and economic conditions. A thorough discussion of farm definition and collection procedures is contained in the Census volumes. For most Censuses, a combination of size and value of production or sales was used to qualify an operation as a "census farm". The definition used in 1974 and 1978 was a drastic departure. The sole criteria for a census farm was total sales with a value of at least $1,000.

Source: U. S. Census of Agriculture, Bureau of Census, U. S. Department of Commerce.

PRODUCTION, SELECTED COMMODITIES, RANK, AND PERCENT OF U. S. TOTAL:

LEADING STATES, 1979

APPLES		
Washington	1	31.6
New York	2	12.8
Michigan	3	8.4
California	4	7.4
Pennsylvania	5	6.6
HOPS		
Washington	1	73.1
Oregon	2	15.7
Idaho	3	8.4
California	4	2.8
PEARS		
California	1	42.4
Washington	2	28.6
Oregon	3	23.8
New York	4	2.1
Michigan	5	1.5
ASPARAGUS		
California	1	49.2
Washington	2	31.3
Michigan	3	11.8
Illinois	4	1.8
New Jersey	5	1.4
MINT OIL		
Oregon	1	41.5
Washington	2	30.5
Idaho	3	11.3
Wisconsin	4	7.5
Indiana	5	7.4
SWEET CORN, PROCESSING		
Minnesota	1	23.0
Wisconsin	2	22.7
Oregon	3	13.2
Washington	4	13.0
Illinois	5	10.3
WINTER WHEAT		
Kansas	1	25.5
Oklahoma	2	13.5
Texas	3	8.6
Washington	4	5.9
Nebraska	5	5.4
SWEET CHERRIES		
Washington	1	37.8
Oregon	2	20.8
California	3	18.8
Michigan	4	13.4
Utah	5	3.1
DRY EDIBLE PEAS		
Washington	1	65.5
Idaho	2	34.5
IRISH POTATOES		
Idaho	1	25.4
Washington	2	14.1
Maine	3	8.3
Oregon	4	7.3
California	5	6.0
SWEET PEAS, PROCESSING		
Wisconsin	1	29.2
Washington	2	22.7
Minnesota	3	18.4
Oregon	4	7.4
California	5	2.6
GRAPES		
California	1	91.4
New York	2	3.3
Washington	3	2.1
Michigan	4	1.2
Pennsylvania	5	1.1
CRANBERRIES		
Massachusetts	1	43.6
Wisconsin	2	36.4
New Jersey	3	10.2
Washington	4	6.0
Oregon	5	3.8
CARROTS		
California	1	48.9
Washington	2	10.6
Texas	3	10.3
Wisconsin	4	8.9
Michigan	5	8.1

RANK OF PRINCIPAL WASHINGTON COUNTIES FOR SELECTED ITEMS 1/

CATTLE & CALVES

1. Yakima
2. Grant
3. Whatcom
4. Okanogan
5. Kittitas
6. Walla Walla
7. Snohomish
8. Stevens
9. Benton
10. Spokane

MILK COWS

1. Whatcom
2. Snohomish
3. King
4. Skagit
5. Yakima
6. Pierce
7. Clark
8. Lewis
9. Grays Harbor
10. Thurston

ALFALFA HAY

1. Grant
2. Franklin
3. Yakima
4. Stevens
5. Walla Walla
6. Adams
7. Spokane
8. Okanogan
9. Benton
10. Klickitat

BROILERS

1. Pierce
2. Lewis
3. Snohomish
4. Thurston
5. King
6. Clark
7. Cowlitz
8. Whatcom
9. Yakima
10. Kitsap

HENS & PULLETS LAYING AGE

1. Thurston
2. Snohomish
3. Pierce
4. Whatcom
5. Spokane
6. Island
7. Skagit
8. Lewis
9. Yakima
10. King

DRY PEAS

1. Whitman
2. Spokane
3. Grant
4. Walla Walla
5. Adams
6. Lincoln
7. Franklin
8. Columbia
9. Garfield
10. Skagit

SHEEP & LAMBS

1. Yakima
2. Grant
3. Franklin
4. Whitman
5. Okanogan
6. Adams
7. Benton
8. Klickitat
9. Clark
10. Lewis

HOPS

1. Yakima
2. Benton

LENTILS

1. Whitman
2. Spokane

HOGS

1. Whitman
2. Spokane
3. Grant
4. Yakima
5. Adams
6. Thurston
7. Franklin
8. Skagit
9. Stevens
10. Pierce

1/ Source: 1974 Census of Agriculture, U.S.

FARM INCOME, WASHINGTON, 1978-79 1/

Item	1978	1979
	Million Dollars	
REALIZED GROSS FARM INCOME		
Cash receipts from farm marketings	2,181.1	2,401.0
Livestock and products	(632.2)	(778.5)
Crops and miscellaneous	(1,548.9)	(1,622.5)
Government payments	68.8	16.7
Non-money income	183.1	212.0
Other farm income	36.9	46.2
TOTAL	2,469.9	2,675.8
FARM PRODUCTION EXPENSES		
Current farm operating expenses 2/	1,212.2	1,499.9
Other expenses 3/	562.7	596.0
TOTAL	1,774.9	2,095.9
REALIZED NET FARM INCOME	695.0	579.9
NET CHANGE IN FARM INVENTORIES	+59.0	+14.0
TOTAL NET FARM INCOME	754.0	593.9
	Dollars	
PER FARM		
Realized gross income	73,728	81,085
Production expenses	52,982	63,512
Realized net income	20,746	17,573
Net change in inventory	+1,761	+424
Net Income	22,507	17,997

1/ All data are preliminary and are for the calendar year shown. Details for items may not add to totals because of rounding. 2/ Feed; livestock; seed; fertilizer and lime; repair, maintenance and vehicle fuel; hired labor and miscellaneous. 3/ Depreciation; taxes; interest and rent.

Source: The Farm Income Situation - Published by E.S.C.S. Economics, United States Department of Agriculture

SECTION B: Field and Seed Crops

Small Grains: Late summer showers in 1978 provided good soil moisture for the early fall seeded grains. Planting was underway in September and continued through October. Seeds germinated well and fields looked uniform going into the winter. Greenbugs were effectively controlled by spraying before frost put an end to their cycle.

Snow cover appeared to be sufficient for insulation entering December, but moderate temperatures through mid-December promoted melting and much of the 1979 winter grain crops was left vulnerable to freezing weather. Toward the end of December through early January, severe cold temperatures occurred throughout the State and many eastern Washington communities had record lows. Many grain growers were quite concerned over the extent of winterkill.

The spring thaw revealed substantial winter freeze damage and reseeding became active. This was reflected in above normal abandonment for winter wheat plus a sharp increase in the seeding of spring wheat. Soil moisture conditions were good and excellent seed beds were prepared. Planting of spring grains continued through May with few weather related delays.

Hot weather, winds, and below normal precipitation in May and June put extreme stress on the grain crops. Under these conditions, the grain matured rapidly. Barley harvest started in late June, followed by wheat in early July. Combining was essentially complete by early September following a harvest season with few rain interruptions.

Corn: In eastern Washington, corn is grown under irrigation for both grain and silage while western Washington corn is cut for silage and green chop. Corn planting was active in late April and was essentially complete by the end of May. Weather was generally warm and dry, which contributed to a good planting season. Plant development progressed well through the summer with warm, sunny weather. Cutting corn silage started in early September and continued into November in western Washington. Grain harvest began early in October and continued into the winter months as weather permitted. Most of the crop was harvested by December 1.

Dry Beans: Spring planting was active through May and June. Soil moisture was good for early seeding, but was rapidly depleted when precipitation fell below normal during May and June. Wind erosion necessitated some reseeding. Hot weather in July when the plants were setting pods reduced yield prospects. Moderating temperatures in August favored crop development. Excellent conditions prevailed for harvest, lasting from September into early November.

Potatoes: The planting of Norgolds for fresh market was started in mid-March in the southern Columbia Basin. As the spring weather warmed, farmers started planting Russets. Planting was virtually complete in both eastern and western Washington by early June. The potatoes developed normally and Norgold harvest started in late July. Early movement was slow because the competing California crop was late and market supplies were ample. Russet harvest started in late August and growers stepped up digging during September to meet processing plant demands. With the lack of interference from sugarbeet harvest, potato digging moved steadily to completion in early November-somewhat ahead of normal.

Dry Peas and Lentils: Cool, wet weather extended the spring planting period which started in early April and progressed through May. Soil moisture was good and early peas and lentils got off to a good start. Crop prospects deteriorated in late May when hot weather and high winds depleted the soil moisture, subjecting the crops to extreme moisture stress. Harvest started in late July and progressed with only a few minor delays toward the end of August. Threshing was completed in September.

Hops: The extremely cold winter killed many plants and replanting during the spring was more extensive than normal. Bloom and pollination weather was generally favorable for setting cones. Harvest started on August 20 and was virtually completed one month later.

Hay: In the Columbia Basin and lower Yakima Valley, winterkill amounted to about 20 percent of the hay producing acreage. Some of this winterkill was not fully recognized until after the first cutting and not all the acreage was replanted to alfalfa. The harvest season stretched out into late October and allowed harvest of most seedling acreage, plus an increase in fourth cutting acreage. Generally, hay yields were good despite a shortage of irrigation water in some parts of the Yakima Valley. Mild weather continued in November in most areas, allowing regrowth after the late cutting before going into winter dormancy.

Mint: The extreme cold temperatures during the prior winter caused severe damage to the mint oil crops. Growers were unable to replant all the mint acreage due to a lack of good root stock. Sparse stands, weeds, and cutworms all contributed to a decline in oil production.

Seed Crops: The frigid winter caused many acres of alfalfa seed to freeze out. Alfalfa seed production was also adversely affected by increased population of aphids during the spring and a declining alkali bee population needed for good pollination. Rain during harvest drastically lowered yields on some fields to the point that acreage was abandoned. Most Red Clover acreage froze out and was replanted for 1979 harvest. The acreage not replanted had below normal yields. Rain during harvest lowered seed quality. Late field burning after the 1978 bluegrass crop created growth problems for the 1979 crop. In addition, the prolonged dry spell early in the summer reduced stands. Swathing began around the 6th of July.

FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE,

WASHINGTON, 1978-79

Crop	Acres Planted		Acres Harvested		Unit
	1978	1979	1978	1979	
	000		000		
Wheat, All	3,120	3,650	2,910	2,980	Bu.
Winter Wheat	2,800	2,850	2,600	2,200	"
Spring Wheat	320	800	310	780	"
Barley	400	330	380	315	"
Oats	72	69	30	33	"
Rye 1/	23	---	3	---	"
Corn, for Grain	119*	155	65	103	"
Corn, Silage	---	---	53	52	Ton
Dry Beans	29	38	28	37	Cwt.
Dry Edible Peas	121	86	120	85	"
Lentils	104	123	101	120	"
Potatoes, All	109	102	109	102	"
Sugarbeets	69.2	---	68.5	---	Ton
Hops	---	---	21.3	22.3	Lb.
Hay, All	---	---	876	853	Ton
Alfalfa Hay	---	---	503	503	"
All Other Hay	---	---	373	350	"
Peppermint	---	---	16.8	14.0	Lb.
Spearmint	---	---	26.4	16.0	"
Other Crops 2/	---	---	135	134	Cwt.
State Total 3/	5,241.7	5,592.3	4,943.0	4,866.3	Ton

* Planted for all purposes. 1/ Estimates discontinued following the 1978 crop. 2/ Includes grass silage, soybeans, triticale, etc. 3/ Total planted acres includes harvested acres for hops, hay, mint, and other crops.

FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE,

WASHINGTON, 1978-79

Yield Per Acre		Total Production		Price Per Unit 1/		Farm Value of Production 1/	
1978	1979	1978	1979	1978	1979	1978	1979
		000		Dollars		000 Dollars	
44.9	39.6	130,760	118,000	3.45	3.95	451,122	466,100
46.0	43.0	119,600	94,600	---	---	---	---
36.0	30.0	11,160	23,400	---	---	---	---
61.0	54.0	23,180	17,010	1.88	2.55	43,578	43,376
58.0	53.0	1,740	1,749	1.62	1.70	2,819	2,973
21.0	---	63	---	1.98	---	125	---
114.0	119.0	7,410	12,257	2.64	2.90	19,562	35,545
23.0	22.0	1,219	1,144	15.50	19.00	18,894	21,736
18.00	19.00	504	703	17.60	25.70	8,870	18,067
17.50	15.70	2,100	1,335	8.00	10.00	16,800	13,350
10.10	10.00	1,020	1,200	21.50	30.90	21,930	37,080
465	475	50,685	48,450	2.45	2.55	124,178	123,548
25.5	---	1,747	---	26.80	---	46,820	---
1,880	1,800	40,044	40,140	.870	.958	34,838	38,454
2.95	2.88	2,582	2,459	47.50	71.00	122,645	174,589
3.80	3.60	1,911	1,811	---	---	---	---
1.80	1.85	671	648	---	---	---	---
67	60	1,126	840	9.90	9.10	11,147	7,644
91	74	2,402	1,184	6.70	8.00	16,093	9,472
---	---	27,200	20,700	---	---	22,000	21,700
---	---	14,361	11,563	---	---	961,421	1,013,634

1/ Does not include government payments.

SEED CROPS: ACREAGE, PRODUCTION, AND VALUE,

WASHINGTON, 1978-79

Seed Crop	Acres Harvested	Yield Per Acre	Total Clean Production	Price Per 100 Pounds	Value of Clean Production
	Acres	Pounds	000 Pounds	Dollars	000 Dollars
1978					
Alfalfa	36,000	285	10,260	136.00	13,954
Red Clover	13,000	300	3,900	89.50	3,491
Kentucky Bluegrass:					
Proprietary & Merion	2,700	520	1,404	78.50	1,102
Public & Common	17,300	690	11,937	66.00	7,878
Other Turf Grasses	2,000	---	1,200	---	600
Other Miscellaneous Seeds 1/	24,500	---	52,200	---	8,300
Total Seed Crops	95,500	---	80,901	---	35,325
1979					
Alfalfa	35,000	235	8,225	125.00	10,281
Red Clover	8,500	310	2,635	76.00	2,003
Kentucky Bluegrass:					
Proprietary & Merion	1,900	335	637	66.00	420
Public & Common	23,000	400	9,200	77.50	7,130
Other Turf Grasses	1,400	---	956	---	561
Other Miscellaneous Seeds 1/	25,500	---	62,800	---	9,674
Total Seed Crops	95,300	---	84,453	---	30,069

1/ Includes grass, legume, and vegetable seeds not published separately.

FIELD AND SEED CROPS: VALUE PER HARVESTED ACRE,

WASHINGTON, 1978-79

CROPS	Value Per Acre	
	1978	1979
	- Dollars -	
All Wheat	155	156
Corn, for Grain	301	345
Corn, Silage	356	418
Oats	94	90
Barley	115	138
Rye	42	---
Potatoes	1,139	1,211
Dry Beans	317	488
Lentils	217	309
Dry Peas	140	157
Hay	140	205
Hops	1,636	1,724
Peppermint	664	546
Spearmint	610	592
Sugarbeets	684	---
Alfalfa Seed	388	294
Red Clover Seed	269	236
Proprietary and Merion Bluegrass Seed	408	221
Public & Common Ky. Bluegrass Seed	455	310

MAJOR FIELD CROPS: PRODUCTION, FARM DISPOSITION, AND SALES,

WASHINGTON, 1978-79

Crop	Unit	Production	Used on Farm Where Grown 1/	Sold	Season Av. Price/ Unit	Value of Crop Sold
		Thousand Units				000 Dollars
1978						
Wheat, All	Bu.	130,760	2,615	128,145	3.45	442,101
Barley	Bu.	23,180	3,245	19,935	1.88	37,478
Oats	Bu.	1,740	940	800	1.62	1,296
Rye	Bu.	63	3	60	1.98	119
Corn, Grain	Bu.	7,410	1,111	6,299	2.64	16,629
Dry Beans	Cwt.	504	0	504	17.60	8,870
Dry Peas	Cwt.	2,100	13	2,087	8.00	16,696
Hay, All	Ton	2,582	1,420	1,162	47.50	55,195
Potatoes	Cwt.	2/50,685	450	46,101	2.45	112,947
1979						
Wheat, All	Bu.	118,000	2,006	115,994	3.95	458,176
Barley	Bu.	17,010	2,041	14,969	2.55	38,171
Oats	Bu.	1,749	944	805	1.70	1,369
Rye	Bu.	3/				
Corn, Grain	Bu.	12,257	1,839	10,418	2.90	30,212
Dry Beans	Cwt.	703	0	703	25.70	18,067
Dry Peas	Cwt.	1,335	12	1,323	10.00	13,230
Hay, All	Ton	2,459	1,303	1,156	71.00	82,076
Potatoes	Cwt.	2/48,450	450	43,500	2.55	110,925

1/ Includes food used and given away, in addition to seed and feed usages.
2/ Includes shrinkage of 4,134,000 cwt. in 1978 and 4,500,000 cwt. in 1979.
3/ Estimates discontinued after the 1978 crop.

BARLEY: ACRES PLANTED & PERCENT OF TOTAL

BY MAJOR VARIETIES, WASHINGTON, 1978-79

Variety	1978		1979	
	Acres	Percent	Acres	Percent
Steptoe	298,450	74.6	246,450	74.7
Kamiak	33,600	8.4	16,450	5.0
Boyer	7,150	1.8	13,000	3.9
Klages	12,400	3.1	10,100	3.1
Vanguard	11,150	2.8	5,450	1.7
Ludd	550	.1	5,150	1.6
Blazer	13,200	3.3	4,750	1.4
Kimberly	2,850	.7	4,400	1.3
Piroline	3,650	.9	4,300	1.3
Advance	---	---	4,300	1.3
Other	17,000	4.3	15,650	4.7
State Total	400,000	100.0	330,000	100.0

WHEAT: ALL STOCKS, BY QUARTERS,

WASHINGTON, 1978-79

Crop Year and Position	October 1	January 1*	April 1*	June 1*
	- - 000 Bushels - -			
Wheat:				
On Farm 1979	31,860	23,600	12,980	8,260
1978	40,536	23,537	11,768	6,538
1/Off Farm 1979	99,881	82,914	54,760	35,873
1978	93,019	70,072	47,507	39,472
Total 1979	131,741	106,514	67,740	44,133
1978	133,555	93,609	59,275	46,010

BARLEY: ALL STOCKS, BY QUARTERS,

WASHINGTON, 1978-79

Crop Year and Position	October 1	January 1*	April 1*	June 1*
	- - 000 Bushels - -			
Barley:				
On Farm 1979	4,593	3,402	2,552	1,021
1978	6,954	4,172	2,782	1,159
1/Off Farm 1979	13,499	8,513	4,496	3,293
1978	14,839	11,076	8,238	6,330
Total 1979	18,092	11,915	7,048	4,314
1978	21,793	15,248	11,020	7,489

* Calendar year following year of production.
1/ Includes interior mills, country warehouses and elevators, census merchant mills, terminals, and CCC storage.

OATS: ALL STOCKS, BY QUARTERS,

WASHINGTON, 1978-79

Crop Year and Position	October 1	January 1*	April 1*	June 1*
	- - 000 Bushels - -			
Oats:				
On Farm 1979	1,049	717	507	262
1978	1,218	940	592	331
1/Off Farm 1979	697	498	311	213
1978	569	499	248	195
Total 1979	1,746	1,215	818	475
1978	1,787	1,439	840	526

CORN AND HAY: ALL STOCKS, BY QUARTERS,

WASHINGTON, 1978-79

Crop Year and Position	January 1*	April 1*	June 1*	October 1*
	- - 000 Bushels - -			
Corn:				
On Farm 1979	4,167	1,961	981	3/
1978	2,964	1,112	593	148
1/Off Farm 1979	5,986	5,590	4,812	3/
1978	4,148	3,747	3,536	4,307
Total 1979	10,153	7,551	5,793	3/
1978	7,112	4,859	4,129	4,455
Hay 2/ 1979	1,598	418	---	---
1978	1,756	749	---	---

1/ Includes interior mills, county warehouses and elevators, census mer-chant mills, terminals, and CCC Storage. 2/ On farm position only, January 1 and May 1, measured in 1,000 tons 3/ Not available at time of publication. * Calendar year following year of production.

ALL WHEAT - WASHINGTON - 1979

County	Planted Acres	Harvested Acres	Yield Per Yield	Production
			Bushel	Bushel
Clallam	100	50	60.0	3,000
Clark	6,800	6,000	78.0	468,000
Cowlitz	500	450	80.0	36,000
Grays Harbor	---	---	--	---
Island	900	800	80.0	64,000
Jefferson	---	---	--	---
King	---	---	--	---
Kitsap	---	---	--	---
Lewis	2,540	2,100	84.9	178,200
Mason	---	---	--	---
Pacific	---	---	--	---
Pierce	---	---	--	---
San Juan	180	120	47.8	5,740
Skagit	13,900	12,900	100.7	1,299,500
Skamania	---	---	--	---
Snohomish	1,100	1,000	80.0	80,000
Thurston	680	600	52.5	31,500
Wahkiakum	---	---	--	---
Whatcom	4,000	1,500	45.0	67,500
	30,700	25,520	87.5	2,233,440
Benton	194,000	192,000	31.8	6,112,000
Chelan	2,700	2,180	28.0	61,060
Kittitas	14,500	11,200	65.0	728,000
Klickitat	65,200	63,000	32.3	2,037,000
Okanogan	18,500	16,200	17.9	289,800
Yakima	88,500	85,500	64.4	5,506,500
	383,400	370,080	39.8	14,734,360
Ferry	2,500	2,200	44.4	97,600
Pend Oreille	100	100	32.0	3,200
Spokane	233,000	230,500	44.5	10,262,500
Stevens	17,500	16,300	44.9	731,600
	253,100	249,100	44.5	11,094,300
Adams	704,000	430,000	31.7	13,632,000
Douglas	294,000	205,000	15.4	3,158,000
Franklin	215,500	140,500	30.8	4,320,500
Grant	328,000	225,500	39.7	8,962,000
Lincoln	411,500	378,000	42.2	15,966,000
	1,953,000	1,379,000	33.4	46,038,500
Asotin	31,000	30,300	39.9	1,207,800
Columbia	101,700	99,500	49.3	4,905,000
Garfield	82,300	81,000	43.0	3,483,000
Walla Walla	307,300	245,000	40.4	9,902,000
Whitman	507,500	500,500	48.8	24,401,000
	1,029,800	956,300	45.9	43,898,800
State	3,650,000	2,980,000	39.6	118,000,000

ALL WHEAT - WASHINGTON - 1978

County	Planted Acres	Harvested Acres	Yield Per Acre	Production
			Bushel	Bushel
Clallam	100	50	49.0	2,450
Clark	7,300	6,500	57.7	375,000
Cowlitz	450	400	69.0	27,600
Grays Harbor	---	---	--	---
Island	1,100	1,000	83.0	83,000
Jefferson	---	---	--	---
King	---	---	--	---
Kitsap	---	---	--	---
Lewis	3,570	2,750	75.6	207,800
Mason	---	---	--	---
Pacific	---	---	--	---
Pierce	80	60	47.0	2,820
San Juan	220	150	55.3	8,300
Skagit	4,200	3,200	79.5	254,400
Skamania	70	50	39.0	1,950
Snohomish	650	550	81.0	44,550
Thurston	160	90	49.2	4,430
Wahkiakum	---	---	--	---
Whatcom	1,900	1,300	56.8	73,900
	19,800	16,100	67.5	1,086,200
Benton	205,000	198,000	34.6	6,844,000
Chelan	4,300	3,100	19.1	59,300
Kittitas	12,400	10,700	67.1	717,500
Klickitat	67,600	65,300	35.0	2,287,800
Okanogan	14,900	10,400	16.5	172,100
Yakima	79,400	78,200	60.0	4,692,000
	383,600	365,700	40.4	14,772,700
Ferry	3,700	3,200	39.0	126,400
Pend Oreille	100	100	34.0	3,400
Spokane	161,900	154,400	54.5	8,421,800
Stevens	18,300	17,500	51.7	905,000
	184,000	175,200	54.0	9,456,600
Adams	436,500	416,000	39.4	16,370,000
Douglas	265,500	218,000	17.5	3,819,000
Franklin	154,500	137,000	38.6	5,290,000
Grant	254,500	218,000	51.5	11,234,000
Lincoln	441,100	408,000	45.4	18,537,000
	1,552,100	1,397,000	39.5	55,250,000
Asotin	36,200	35,000	43.8	1,533,000
Columbia	97,100	95,000	54.8	5,207,000
Garfield	82,600	81,500	51.4	4,185,500
Walla Walla	270,600	261,500	50.2	13,127,000
Whitman	494,000	483,000	54.1	26,142,000
	980,500	956,000	52.5	50,194,500
State	3,120,000	2,910,000	44.9	130,760,000

ALL BARLEY - WASHINGTON - 1979

County	Planted Acres	Harvested Acres	Yield Per Acre	Production
			Bushel	Bushel
Clallam	400	400	30.0	12,000
Clark	2,100	2,000	70.0	140,000
Cowlitz	300	300	80.0	24,000
Grays Harbor	100	100	90.0	9,000
Island	600	600	80.0	48,000
Jefferson	---	---	--	---
King	---	---	--	---
Kitsap	---	---	--	---
Lewis	1,100	1,000	70.0	70,000
Mason	---	---	--	---
Pacific	200	150	70.0	10,500
Pierce	50	50	50.0	2,500
San Juan	500	500	45.0	22,500
Skagit	4,000	3,900	105.0	409,500
Skamania	---	---	--	---
Snohomish	400	400	72.0	28,800
Thurston	100	100	45.0	4,500
Wahkiakum	50	50	80.0	4,000
Whatcom	1,600	1,500	70.0	105,000
	11,500	11,050	80.6	890,300
Benton	2,100	2,000	90.0	180,000
Chelan	100	50	40.0	2,000
Kittitas	3,100	3,000	55.0	165,000
Klickitat	6,200	5,900	39.0	230,100
Okanogan	800	700	34.0	23,800
Yakima	5,100	4,900	80.0	392,000
	17,400	16,550	60.0	992,900
Ferry	900	800	25.0	20,000
Pend Oreille	800	700	30.0	21,000
Spokane	46,600	44,500	50.0	2,225,000
Stevens	6,300	6,000	31.0	186,000
	54,600	52,000	47.2	2,452,000
Adams	1,600	1,500	60.0	90,000
Douglas	1,500	1,400	48.0	67,200
Franklin	3,100	3,000	64.0	192,000
Grant	14,500	13,800	93.0	1,283,400
Lincoln	67,000	64,000	44.0	2,816,000
	87,700	83,700	53.1	4,448,600
Asotin	17,500	16,700	50.0	835,000
Columbia	2,100	2,000	62.0	124,000
Garfield	20,000	19,200	52.0	998,400
Walla Walla	10,200	9,800	56.0	548,800
Whitman	109,000	104,000	55.0	5,720,000
	158,800	151,700	54.2	8,226,200
State	330,000	315,000	54.0	17,010,000

ALL BARLEY - WASHINGTON - 1978

County	Planted Acres	Harvested Acres	Yield Per Acre	Production
			Bushel	Bushel
Clallam	300	300	50.0	15,000
Clark	2,200	2,000	81.0	162,000
Cowlitz	300	300	66.0	19,800
Grays Harbor	---	---	--	---
Island	800	800	85.0	68,000
Jefferson	---	---	--	---
King	---	---	--	---
Kitsap	---	---	--	---
Lewis	1,400	1,300	51.0	66,300
Mason	---	---	--	---
Pacific	---	---	--	---
Pierce	---	---	--	---
San Juan	600	600	57.0	34,200
Skagit	3,200	3,000	86.0	258,000
Skamania	---	---	--	---
Snohmish	200	200	66.0	13,200
Thurston	---	---	--	---
Wahkiakum	---	---	--	---
Whatcom	700	650	66.0	42,900
	9,700	9,150	74.3	679,300
Benton	1,000	900	92.0	82,800
Chelan	100	50	32.0	1,600
Kittitas	5,200	5,000	64.0	320,000
Klickitat	9,500	9,100	35.0	318,500
Okanogan	1,300	1,200	28.0	33,600
Yakima	12,500	12,200	80.0	976,000
	29,600	28,450	60.9	1,732,500
Ferry	1,300	1,200	24.0	28,800
Pend Oreille	500	500	35.0	17,500
Spokane	60,300	57,500	62.0	3,565,000
Stevens	15,500	14,800	45.0	666,000
	77,600	74,000	57.8	4,277,300
Adams	7,700	7,300	55.0	401,500
Douglas	2,200	2,000	38.0	76,000
Franklin	5,200	4,200	63.0	264,600
Grant	16,000	15,100	95.0	1,434,500
Lincoln	66,000	62,800	57.0	3,579,600
	97,100	91,400	63.0	5,756,200
Asotin	10,500	9,900	51.0	504,900
Columbia	5,000	4,600	65.0	299,000
Garfield	24,500	23,400	60.0	1,404,000
Walla Walla	19,000	18,200	50.0	910,000
Whitman	127,000	120,900	63.0	7,616,700
	186,000	177,000	60.6	10,734,600
State	400,000	380,000	61.0	23,189,000

FIELD CORN - WASHINGTON - 1979

County	Planted Acres	Harvested For Grain	Yield Per Acre	Production
		Acres	Bushel	Bushel
Clallam	---	---	--	---
Clark	3,500	---	--	---
Cowlitz	900	---	--	---
Grays Harbor	700	---	--	---
Island	400	---	--	---
Jefferson	---	---	--	---
King	1,500	---	--	---
Kitsap	---	---	--	---
Lewis	850	---	--	---
Mason	---	---	--	---
Pacific	---	---	--	---
Pierce	500	---	--	---
San Juan	---	---	--	---
Skagit	7,000	---	--	---
Skamania	---	---	--	---
Snohomish	2,100	---	--	---
Thurston	350	---	--	---
Wahkiakum	550	---	--	---
Whatcom	8,200	---	--	---
	26,550	---	--	---
Benton	14,900	13,750	130.0	1,787,500
Chelan	---	---	--	---
Kittitas	2,200	2,000	76.0	152,000
Klickitat	450	100	89.5	8,950
Okanogan	150	---	--	---
Yakima	25,000	16,600	100.0	1,660,000
	42,700	32,450	111.2	3,608,450
Ferry	---	---	--	---
Pend Oreille	---	---	--	---
Spokane	---	---	--	---
Stevens	200	---	--	---
	200	---	--	---
Adams	15,000	10,500	125.0	1,312,500
Douglas	---	---	--	---
Franklin	32,350	27,150	128.0	3,475,200
Grant	32,500	27,650	114.0	3,152,100
Lincoln	---	---	--	---
	79,850	65,300	121.6	7,939,800
Asotin	---	---	--	---
Columbia	---	---	--	---
Garfield	---	---	--	---
Walla Walla	5,700	5,250	135.0	708,750
Whitman	---	---	--	---
	5,700	5,250	135.0	708,750
State	155,000	103,000	119.0	12,257,000

FIELD CORN - WASHINGTON - 1978

County	Planted Acres	Harvested For Grain	Yield Per Acre	Production
		Acres	Bushel	Bushel
Clallam	---	---	--	---
Clark	3,200	---	--	---
Cowlitz	900	---	--	---
Grays Harbor	1,100	---	--	---
Island	400	---	--	---
Jefferson	---	---	--	---
King	1,500	---	--	---
Kitsap	---	---	--	---
Lewis	1,100	---	--	---
Mason	---	---	--	---
Pacific	---	---	--	---
Pierce	500	---	--	---
San Juan	---	---	--	---
Skagit	7,000	---	--	---
Skamania	---	---	--	---
Snohomish	1,650	---	--	---
Thurston	950	---	--	---
Wahkiakum	550	---	--	---
Whatcom	8,500	---	--	---
	27,350	---	--	---
Benton	11,000	8,700	117.0	1,017,900
Chelan	---	---	--	---
Kittitas	2,300	1,700	77.0	130,900
Klickitat	600	100	88.0	8,800
Okanogan	150	---	--	---
Yakima	21,700	12,700	91.0	1,155,700
	35,750	23,200	99.7	2,313,300
Ferry	---	---	--	---
Pend Oreille	---	---	--	---
Spokane	---	---	--	---
Stevens	100	---	--	---
	100	---	--	---
Adams	4,900	3,600	129.0	464,400
Douglas	---	---	--	---
Franklin	16,600	12,700	121.0	1,536,700
Grant	33,300	24,800	121.0	3,003,200
Lincoln	---	---	--	---
	54,800	41,100	121.8	5,004,300
Asotin	---	---	--	---
Columbia	---	---	--	---
Garfield	---	---	--	---
Walla Walla	1,000	700	132.0	92,400
Whitman	---	---	--	---
	1,000	700	132.0	92,400
State	119,000	65,000	114.0	7,410,000

FIELD CORN (SILAGE) - WASHINGTON - 1979

County	Harvested For Silage	Yield Per Acre	Production
	Acres	Tons	Tons
Clallam	---	--	---
Clark	3,500	19.0	66,500
Cowlitz	900	18.0	16,200
Grays Harbor	700	19.0	13,300
Island	400	20.0	8,000
Jefferson	---	--	---
King	1,500	18.0	27,000
Kitsap	---	--	---
Lewis	850	22.0	18,700
Mason	---	--	---
Pacific	---	--	---
Pierce	500	19.0	9,500
San Juan	---	--	---
Skagit	7,000	21.0	147,000
Skamania	---	--	---
Snohomish	2,100	24.0	50,400
Thurston	350	20.0	7,000
Wahkiakum	550	19.0	10,450
Whatcom	8,200	20.0	164,000
	26,550	20.3	538,050
Benton	1,150	25.0	28,750
Chelan	---	--	---
Kittitas	200	20.0	4,000
Klickitat	350	15.0	5,250
Okanogan	150	20.0	3,000
Yakima	8,400	24.0	201,600
	10,250	23.7	242,600
Ferry	---	--	---
Pend Oreille	---	--	---
Spokane	---	--	---
Stevens	200	24.0	4,800
	200	24.0	4,800
Adams	4,500	23.0	103,500
Douglas	---	--	---
Franklin	5,200	24.0	124,800
Grant	4,850	25.0	121,250
Lincoln	---	--	---
	14,550	24.0	349,550
Asotin	---	--	---
Columbia	---	--	---
Garfield	---	--	---
Walla Walla	450	20.0	9,000
Whitman	---	--	---
	450	20.0	9,000
State	52,000	22.0	1,144,000

FIELD CORN (SILAGE) - WASHINGTON - 1978

County	Harvested For Silage	Yield Per Acre	Production
	Acres	Tons	Tons
Clallam	---	--	---
Clark	3,200	18.0	57,600
Cowlitz	900	18.0	16,200
Grays Harbor	1,100	18.0	19,800
Island	400	20.0	8,000
Jefferson	---	--	---
King	1,500	18.0	27,000
Kitsap	---	--	---
Lewis	1,100	20.0	22,000
Mason	---	--	---
Pacific	---	--	---
Pierce	500	18.0	9,000
San Juan	---	--	---
Skagit	7,000	25.0	175,000
Skamania	---	--	---
Snohomish	1,650	25.0	41,250
Thurston	950	20.0	19,000
Wahkiakum	550	18.0	9,900
Whatcom	8,500	20.0	170,000
	27,350	21.0	574,750
Benton	2,200	24.9	54,780
Chelan	---	--	---
Kittitas	600	15.0	9,000
Klickitat	500	16.0	8,000
Okanogan	150	20.0	3,000
Yakima	8,900	23.9	212,450
	12,350	23.3	287,150
Ferry	---	--	---
Pend Oreille	---	--	---
Spokane	---	--	---
Stevens	100	14.0	1,400
	100	14.0	1,400
Adams	1,300	26.8	34,900
Douglas	---	--	---
Franklin	3,600	27.3	98,450
Grant	8,000	26.9	214,850
Lincoln	---	--	---
	12,900	27.0	348,200
Asotin	---	--	---
Columbia	---	--	---
Garfield	---	--	---
Walla Walla	300	25.0	7,500
Whitman	---	--	---
	300	25.0	7,500
State	53,000	23.0	1,219,000

OATS - WASHINGTON - 1979

County	Planted Acres	Harvested For Grain	Yield Per Acre	Production
		Acres	Bushels	Bushels
Clallam	100	---	--	---
Clark	9,800	1,000	68.0	68,000
Cowlitz	50	---	--	---
Grays Harbor	200	100	88.0	8,800
Island	50	---	--	---
Jefferson	---	---	--	---
King	150	---	--	---
Kitsap	---	---	--	---
Lewis	800	500	76.0	38,000
Mason	---	---	--	---
Pacific	50	---	--	---
Pierce	150	---	--	---
San Juan	---	---	--	---
Skagit	3,500	500	98.0	49,000
Skamania	---	---	--	---
Snohomish	1,400	100	68.0	6,800
Thurston	100	50	43.0	2,150
Wahkiakum	150	---	--	---
Whatcom	4,500	1,000	73.0	73,000
	21,000	3,250	75.6	245,750
Benton	200	200	58.0	11,600
Chelan	50	---	--	---
Kittitas	2,600	2,000	84.0	168,000
Klickitat	1,500	500	56.0	28,000
Okanogan	800	200	38.0	7,600
Yakima	200	150	59.0	8,850
	5,350	3,050	73.5	224,050
Ferry	1,000	---	--	---
Pend Oreille	600	---	--	---
Spokane	19,600	14,000	56.0	784,000
Stevens	12,500	6,000	47.0	282,000
	33,700	20,000	53.3	1,066,000
Adams	1,300	1,200	38.0	45,600
Douglas	950	900	10.0	9,000
Franklin	400	300	46.0	13,800
Grant	500	400	61.0	24,400
Lincoln	4,200	2,500	18.0	45,000
	7,350	5,300	26.0	137,800
Asotin	---	---	--	---
Columbia	50	---	--	---
Garfield	600	600	51.0	30,600
Walla Walla	50	---	--	---
Whitman	900	800	56.0	44,800
	1,600	1,400	53.9	75,400
State	69,000	33,000	53.0	1,749,000

OATS - WASHINGTON - 1978

County	Planted Acres	Harvested For Grain	Yield Per Acre	Production
		Acres	Bushels	Bushels
Clallam	100	---	--	---
Clark	8,100	900	80.0	72,000
Cowlitz	---	---	--	---
Grays Harbor	300	100	70.0	7,000
Island	100	50	80.0	4,000
Jefferson	---	---	--	---
King	100	---	--	---
Kitsap	---	---	--	---
Lewis	3,300	2,000	75.0	150,000
Mason	50	---	--	---
Pacific	50	---	--	---
Pierce	100	---	--	---
San Juan	200	50	60.0	3,000
Skagit	2,800	400	80.0	32,000
Skamania	---	---	--	---
Snohomish	1,200	100	70.0	7,000
Thurston	200	100	60.0	6,000
Wahkiakum	200	---	--	---
Whatcom	6,000	1,000	60.0	60,000
	22,800	4,700	72.6	341,000
Benton	200	200	68.0	13,600
Chelan	100	---	--	---
Kittitas	3,800	2,500	87.0	217,500
Klickitat	1,600	400	46.0	18,400
Okanogan	1,600	500	35.0	17,500
Yakima	500	400	78.0	31,200
	7,800	4,000	74.6	298,200
Ferry	900	200	40.0	8,000
Pend Oreille	700	300	44.0	13,200
Spokane	16,400	9,000	49.0	441,000
Stevens	14,100	6,000	56.0	336,000
	32,100	15,500	51.5	798,200
Adams	1,400	1,200	40.0	48,000
Douglas	1,000	900	30.0	27,000
Franklin	400	300	65.0	19,500
Grant	400	300	72.0	21,600
Lincoln	4,400	2,000	60.0	120,000
	7,600	4,700	50.2	236,100
Asotin	---	---	--	---
Columbia	100	---	--	---
Garfield	500	500	55.0	27,500
Walla Walla	100	---	--	---
Whitman	1,000	600	65.0	39,000
	1,700	1,100	60.5	66,500
State	72,000	30,000	58.0	1,740,000

DRY BEANS - WASHINGTON - 1978

County	Planted Acres	Harvested Acres	Yield Per Acre	Production
			Cwt.	Cwt.
Adams	2,220	2,150	19.0	40,850
Franklin	6,100	5,850	17.2	100,600
Grant	15,870	15,250	18.4	280,600
Others 1/	4,810	4,750	17.3	81,950
State	29,000	28,000	18.0	504,000

DRY BEANS - WASHINGTON - 1979

County	Planted Acres	Harvested Acres	Yield Per Acre	Production
			Cwt.	Cwt.
Adams	3,390	3,300	20.4	67,300
Franklin	10,680	10,400	17.7	184,500
Grant	21,930	21,350	19.7	419,900
Others 1/	2,000	1,950	16.1	31,300
State	38,000	37,000	19.0	703,000

1/ Includes Benton, Walla Walla, and Yakima Counties

MINT: ACREAGE AND PRODUCTION BY COUNTIES,

WASHINGTON, 1978-79

SPEARMINT

County	Harvested Acres		Production	
	1978	1979	1978	1979
	- Acres -		- 000 Pounds -	
Benton	2,900	1,700	255	121
Yakima	18,300	11,800	1,713	936
Adams	800	480	54	25
Franklin	100	20	6	1
Grant	4,300	2,000	374	101
State Total	26,400	16,000	2,402	1,184

PEPPERMINT

County	Harvested Acres		Production	
	1978	1979	1978	1979
	- Acres -		- 000 Pounds -	
Clark	500	530	30	29
Cowlitz	300	300	12	8
Snohomish	100	---	5	--
Benton	1,000	1,200	66	68
Yakima	11,700	10,000	831	645
Adams	750	300	45	14
Franklin	850	270	43	8
Grant	1,600	1,400	94	68
State Total	16,800	14,000	1,126	840

POTATOES: STOCKS, DECEMBER 1 - MAY 1, (BY AREAS)

WASHINGTON, 1978-79

Crop Year / Area	Dec. 1	FOLLOWING YEAR				
		Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1 1/
	- 000 Cwt. -					
1978						
Columbia Basin	30,700	27,700	23,000	18,450	13,900	9,200
Other Areas	1,300	1,100	1,000	850	600	300
State Total	32,000	28,800	24,000	19,300	14,500	9,500
1979						
Columbia Basin	29,600	27,400	22,200	18,250	13,750	9,900
Other Areas	1,000	900	800	650	450	200
State Total	30,600	27,300	23,000	18,900	14,200	10,100

1/ May 1 stocks issued for the first time with the 1978 crop.

POTATOES USED FOR PROCESSING 1/, SEVEN STATES, 1978 AND 1979 CROPS

Crop Year / Area	Dec. 1	FOLLOWING YEAR					Entire Season
		Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	
	- 000 Cwt. -						
1978							
Maine 2/	2,280	2,800	3,670	4,390	5,355	6,205	8,140
Idaho & Malheur Co., Oregon	15,720	21,215	26,055	31,130	37,095	43,305	61,290
Washington & Other Oregon Areas	15,075	18,380	22,230	26,035	30,125	34,770	44,295
Other States 3/	2,625	3,520	4,420	5,290	6,255	7,155	10,540
7-State Total	35,700	45,915	56,375	66,845	78,830	91,435	124,265
1979							
Maine 2/	2,010	2,655	3,470	4,245	5,200	6,200	7,965
Idaho & Malheur Co., Oregon	14,220	18,690	23,970	28,840	34,440	39,930	55,600
Washington & Other Oregon Areas	13,510	16,995	20,725	24,915	29,395	33,360	43,295
Other States 3/	2,660	3,405	4,260	5,100	6,055	6,880	8,785
7-State Total	32,400	41,745	52,425	63,100	75,090	86,370	115,645

1/ Total quantity used for processing regardless of the State in which the potatoes were produced. Does not include quantities used for potato chips in Maine, Michigan, or Minnesota. 2/ Includes Maine grown potatoes only.
3/ Michigan, Minnesota, North Dakota.

POTATOES: PROCESSED IN WASHINGTON 1/, BY MONTH AND TYPE OF PRODUCT, 1978-79 2/

Month	Frozen and Dehydrated		Chips and Canned		Total	
	1978 Crop	1979 Crop	1978 Crop	1979 Crop	1978 Crop	1979 Crop
	- 000 Cwt. -					
July and August 3/	2,120	1,085	665	760	2,785	1,845
September	3,720	3,010	145	155	3,865	3,165
October	4,750	4,605	150	165	4,900	4,770
November	3,325	3,550	200	180	3,525	3,730
December	3,105	3,315	200	170	3,305	3,485
January (following Year)	3,720	3,565	130	165	3,850	3,730
February	3,670	4,035	135	155	3,805	4,190
March	3,945	4,330	145	150	4,090	4,180
April	4,510	3,780	135	185	4,645	3,965
May and June 4/	9,470	9,830	55	105	9,525	9,935
Season Total	42,335	41,105	1,960	2,190	44,295	43,295

1/ Includes potatoes processed in Oregon (except Malheur County), but excludes Washington or Oregon potatoes processed in other States. 2/ Crop Year. 3/ Includes potatoes processed in May and June. 4/ Includes potatoes processed in July.

POTATOES: ACCUMULATED PROCESSED IN WASHINGTON 1/, BY MONTH AND TYPE OF PRODUCT, 1978-79 2/

Month	Frozen and Dehydrated		Chips and Canned		Total	
	1978 Crop	1979 Crop	1978 Crop	1979 Crop	1978 Crop	1979 Crop
	- 000 Cwt. -					
July and August 3/	2,120	1,085	665	760	2,785	1,845
September	5,840	4,095	810	915	6,650	5,010
October	10,590	8,700	960	1,080	11,550	9,780
November	13,915	12,250	1,160	1,260	15,075	13,510
December	17,020	15,565	1,360	1,430	18,380	16,995
January (following Year)	20,740	19,130	1,490	1,595	22,230	20,725
February	24,410	23,165	1,625	1,750	26,035	24,915
March	28,355	27,495	1,770	1,900	30,125	29,395
April	32,865	31,275	1,905	2,085	34,770	33,360
May and June 4/	42,335	41,105	1,960	2,190	44,295	43,295

1/ Includes potatoes processed in Oregon (except Malheur County), but excludes Washington or Oregon potatoes processed in Other States. 2/ Crop year. 3/ Includes potatoes processed in May and June. 4/ Includes potatoes processed in July.

POTATOES: ACRES HARVESTED AND PRODUCTION,

BY COUNTY, WASHINGTON, 1978-79

County	Harvested Acres		Yield Per Acre		Production	
	1978	1979	1978	1979	1978	1979
	Acres		Cwt.		000 Cwt.	
Clark	600	450	200	270	120	122
Grays Harbor	300	200	300	250	90	50
Pierce	60	60	265	235	16	14
Skagit	1,450	1,600	330	295	479	472
Snohomish	180	150	360	300	65	45
Whatcom	2,200	2,050	280	280	616	574
Benton	24,000	23,500	480	485	11,520	11,390
Kittitas	600	400	400	385	240	154
Klickitat	350	700	270	430	94	301
Yakima	1,600	1,200	365	350	584	420
Spokane	150	150	305	305	46	46
Stevens	320	120	300	260	96	31
Adams	15,500	13,700	475	480	7,362	6,576
Franklin	24,700	21,500	485	495	11,979	10,630
Grant	30,900	29,800	470	490	14,522	14,602
Walla Walla	5,900	6,300	475	475	2,802	2,993
Others 1/	190	120	284	250	54	30
State Total	109,000	102,000	465	475	50,685	48,450

1/ Includes Island, King, Lewis, Okanogan, and Whitman Counties.

SECTION C: Fruit and Nut Crops

The severe winter of 1978-79 took its toll on the State's fruit trees. Most severely hurt were Washington's vineyards, with considerable acreage either damaged or frozen out. Limited freeze damage was also reported in apple, apricot, peach, and prune orchards. Minimal damage occurred from spring frosts. Summer temperatures were generally favorable for growing fruit. Not only did apple, Bartlett pear, and sweet cherry production increase from 1978--but new production records were set for all three crops. Production of all other fruit and nut crops registered decreases from the previous year.

Apple full bloom began in the Lower Yakima Valley around April 18 and moved north in the upper valley and lower elevations of the Wenatchee area the following week. Bloom finished in the Okanogan area and higher elevations around May 18. Bloom and pollination was generally good and weather during June, July, and August was favorable for fruit growth. Light harvest was underway the last week of August and was in full swing by mid-September. Picking of Red Delicious was slowed the latter part of September because temperatures were too warm for proper coloring. Harvest was wrapped up by the end of October.

Pear full bloom began in the early areas just prior to mid-April and had moved to the later districts by the end of the month. Pollination was mixed with a few warm days and some cold and wet days. June drop of winter pears was heavier than normal. Bartlett picking began in early August and by Labor Day was essentially complete. Fruit size and quality were good. Picking of winter pears started the last week in August and was mostly complete by the third week of September.

Sweet cherries began full bloom in the earliest areas during the first week of April and had progressed northward to the latest areas by month's end. Harvest began June 9 and was virtually complete in the Yakima Valley and lowland areas of the North Central District by the 4th of July. During June, shippers had difficulty finding trucks to transport the crop to eastern markets. Rail shipments were the heaviest in many years. Picking in the higher elevation orchards of the Wenatchee area was wrapped up by the third week of July.

Grape bloom and pollination weather was generally favorable, but some wind during this period reduced fruit set. Hot weather during July caused some shriveling of an already reduced crop. Weather was favorable during August and September. Harvest of Concords was underway on September 17 and concluded shortly after mid-October. The 1979 crop, though short on tonnage, turned out to have excellent color with good acid content.

FRUIT AND NUT CROPS: PRODUCTION, AVERAGE PRICE, AND VALUE,

WASHINGTON, 1978-79

Crop	Production 1/	Average Price 1/	Value 1/
	Utilized		
	Tons	$/Ton	000 Dollars
Apples			
1978	1,074,000	252.00	270,648
1979	1,280,000	244.00	312,320
Bartlett Pears			
1978	132,000	205.00	27,060
1979	153,000	180.00	27,540
Other Pears			
1978	114,000	228.00	25,992
1979	93,000	269.00	25,017
Peaches			
1978	19,000	288.00	5,472
1979	15,500	324.00	5,022
Grapes			
1978	187,000	191.00	35,717
1979	102,800	205.00	21,074
Apricots			
1978	2,700	279.00	753
1979	2,500	336.00	840
Sweet Cherries			
1978	59,300	792.00	46,966
1979	69,000	606.00	41,814
Tart Cherries			
1978	880	845.00	744
1979	640	945.00	605
Prunes, Fresh Basis			
1978	21,300	149.00	3,174
1979	15,000	193.00	2,895
Filberts			
1978	350	835.00	292
1979	300	970.00	291
Other Fruits & Nuts 2/			
1978	3,700	---	992
1979	3,100	---	750
State Total			
1978	1,614,230	258.83	417,810
1979	1,734,840	252.57	438,168

1/ Both fresh market and processing. Price represents equivalent return at packing-house-door except filberts. 2/ Includes: Plums, nectarines, Yakimines, quinces, walnuts, almonds, chestnuts, and miscellaneous nuts.

UTILIZATION OF SPECIFIED FRUITS,

WASHINGTON, 1978-79

Commodity and Crop Year	Utilization and Price			
	Fresh		Processed	
	Tons	$/Ton	Tons	$/Ton
Apples				
1978	840,000	274.00	234,000	170.00
1979	920,000	292.00	360,000	117.00
Cherries, Sweet				
1978	39,400	879.00	19,900	620.00
1979	47,500	670.00	21,500	463.00
Grapes				
1978	600	258.00	186,400	191.00
1979	300	308.00	102,500	205.00
Bartlett Pears				
1978	39,900	277.00	92,100	174.00
1979	36,300	230.00	116,700	165.00
Prunes				
1978	15,300	172.00	6,000	89.10
1979	12,400	219.00	2,600	69.10

GRAPE PRODUCTION BY TYPE,

WASHINGTON, 1978-79

Year	Total Production	Concord	Other 1/
1978	187,000	170,900	16,100
1979	102,800	95,300	7,500

1/ Includes Campbell Early and wine varieties.

PROCESSED UTILIZATION OF APPLES AND SWEET CHERRIES, IN TONS,

WASHINGTON, 1978-79

Commodity and Crop Year	Processed (Basis Fresh Equavalent)					
	Canned	Dried	Juice	Brined	Other 1/	Total Processed
	- Tons -					
Apples:						
1978	39,460	48,750	132,500	---	13,300	234,000
1979	49,000	58,000	228,500	---	24,500	360,000
Sweet Cherries:						
1978	2,400	---	---	12,900	4,600	19,900
1979	3,600	---	---	14,200	3,700	21,500

1/ Includes apples used for freezing, vinegar, wine, and jam; cherries used for freezing and juice.

APPLES: FRESH MARKET, 1978-79

(Equivalent Carlots of 1000 Boxes, 42 Lbs. Per Box)

County	1978		1979	
	Rail 1/	Truck	Rail 1/	Truck
Asotin & Columbia	---	106	---	117
Yakima & Benton	834	16,752	1,220	20,336
Chelan, Douglas & Okanogan	1,125	18,966	1,080	18,485
Grant, Adams & Franklin	---	1,827	---	2,175
Klickitat & Skamania	---	165	---	150
Spokane, Stevens & Ferry	---	101	---	111
Others	---	124	---	136
State Total	1,959	38,041	2,300	41,510

1/ Included in Truck where not shown separately.

APPLES: COMMERCIAL PRODUCTION, BY VARIETIES,

WASHINGTON, 1978-79

Variety 1/	1978		1979	
	Tons	% of Total	Tons	% of Total
Delicious	684,150	63.7	821,750	64.2
Golden Delicious	299,650	27.9	375,050	29.3
Winesaps	53,700	5.0	44,800	3.5
Rome Beauty	19,300	1.8	16,650	1.3
Jonathan	6,450	0.6	6,400	0.5
Other 2/	10,750	1.0	15,350	1.2
State Total	1,074,000	100.0	1,280,000	100.0

1/ Of the top five varieties in Washington, only Jonathan is not a winter variety; it is a fall variety. 2/ Includes Granny Smith, Gravenstein, McIntosh, Sparta, Tydeman's Red, Winter Banana, Yellow Newtown, and others.

APPLES: VARIETY RANKINGS ACCORDING TO PRODUCTION, 1978-79

Variety	1978		1979	
	Rank in Washington	Rank in United States	Rank in Washington	Rank in United States
Delicious	1	1	1	1
Golden Delicious	2	2	2	2
Winesaps	3	10 1/	3	10 2/
Rome Beauty	4	4	4	4
Johathan	5	5	5	5
McIntosh	*	3	*	3

* Only minor amounts--this is included in the Other. 1/ York Imperial was Number 6, Stayman Number 7, R. I. Greening Number 8, and Yellow Newtown Number 9 in the United States in 1978. 2/ York Imperial was Number 6, Stayman Number 7, Yellow Newtown Number 8 and Cortland Number 9 in 1979.

APPLES: HOLDINGS IN REFRIGERATED WAREHOUSES,

CROP YEARS, 1978-80

Date	Washington		Pacific Region		United States	
	1978-79	1979-80	1978-79	1979-80	1978-79	1979-80
	- 000 Pounds -					
Sept. 30	1,000,000	1,298,270	1,093,332	1,389,483	1,446,077	1,834,992
Oct. 31	1,698,427	2,021,058	1,886,862	2,237,584	3,444,244	3,870,195
Nov. 30	1,515,360	1,685,445	1,683,393	1,868,078	3,220,372	3,380,447
Dec. 31	1,289,096	1,424,495	1,422,783	1,584,564	2,624,543	2,790,159
Jan. 31	1,087,140	1,194,908	1,185,803	1,334,903	2,061,710	2,207,839
Feb. 28	887,138	939,127	956,780	1,022,761	1,536,430	1,586,828
Mar. 31	687,710	686,208	724,145	735,050	1,049,153	1,044,036
Apr. 30	497,076	473,841	516,053	498,446	676,430	651,220
May 31	*	*	291,665	268,971	352,649	322,100
June 30	*	*	143,536	125,692	167,706	140,220
July 31	*	*	36,270	19,476	39,218	19,810

* Not published.

APRICOTS: BY AREA, WASHINGTON, 1978-79 1/

Tons

County	1978		1979	
	Rail 2/	Truck	Rail 2/	Truck
Asotin & Columbia	--	380	--	104
Yakima & Benton	2	1,376	--	1,514
Chelan, Douglas & Okanogan	--	665	--	806
Grant, Adams & Franklin	--	277	--	76
Klickitat & Skamania	--	---	--	---
Spokane, Stevens & Ferry	--	---	--	---
Others	--	---	--	---
State Total	2	2,698	--	2,500

SWEET CHERRIES: FRESH MARKET BY AREA, WASHINGTON, 1978-79

Tons

County	1978		1979	
	Rail 2/	Truck	Rail 2/	Truck
Asotin & Columbia	---	226	---	370
Yakima & Benton	86	21,892	4,183	23,627
Chelan, Douglas & Okanogan	4	14,244	791	16,299
Grant, Adams & Franklin	---	2,379	49	1,631
Klickitat & Skamania	---	517	---	500
Spokane, Stevens & Ferry	---	52	---	50
Others	---	---	---	---
State Total	90	39,310	5,023	42,477

1/ Includes processing.
2/ Included in Truck where not shown separately.

BARTLETT PEARS: FRESH MARKET BY AREA, WASHINGTON, 1978-79

Tons

County	1978		1979	
	Rail 1/	Truck	Rail 1/	Truck
Asotin & Columbia	---	264	---	287
Yakima & Benton	424	15,915	203	15,309
Chelan, Douglas & Okanogan	279	18,030	259	14,697
Grant, Adams & Franklin	---	2,864	---	2,940
Klickitat & Skamania	---	608	---	1,089
Spokane, Stevens & Ferry	---	9	---	9
Others	---	1,507	---	1,307
State Total	703	39,197	462	35,838

OTHER PEARS: BY AREA, WASHINGTON, 1978-79 2/

Tons

County	1978		1979	
	Rail 1/	Truck	Rain 1/	Truck
Asotin & Columbia	---	---	---	---
Yakima & Benton	622	30,279	649	26,843
Chelan, Douglas & Okanogan	5,134	71,860	5,665	53,315
Grant, Adams & Franklin	---	385	---	207
Klickitat & Skamania	---	5,620	---	6,239
Spokane, Stevens & Ferry	---	100	---	82
Others	---	---	---	---
State Total	5,756	108,244	6,314	86,686

1/ Included in Truck where not shown separately.
2/ Includes processing.

PEACHES: BY AREA, WASHINGTON, 1978-79 1/

Tons

County	1978		1979	
	Rail 2/	Truck	Rail 2/	Truck
Asotin & Columbia	---	513	---	441
Yakima & Benton	7	14,184	2	11,687
Chelan, Douglas & Okanogan	---	3,159	---	2,433
Grant, Adams & Franklin	---	505	---	433
Klickitat & Skamania	---	316	---	236
Spokane, Stevens & Ferry	---	---	---	---
Others	---	316	---	268
State Total	7	18,993	2	15,498

PRUNES: FRESH MARKET BY AREA, WASHINGTON 1978-79

Tons

County	1978		1979	
	Rail 2/	Truck	Rail 2/	Truck
Asotin & Columbia	---	---	---	---
Yakima & Benton	---	14,935	---	11,590
Chelan, Douglas & Okanogan	---	33	---	12
Grant, Adams & Franklin	---	156	---	655
Klickitat & Skamania	---	---	---	---
Spokane, Stevens & Ferry	---	---	---	---
Others	---	176	---	143
State Total	---	15,300	---	12,400

1/ Includes processing.
2/ Included in Truck where not shown separately.

HARVEST COSTS OF WASHINGTON FRUITS,

1978-79

Commodity	Picking Costs	Hauling Costs	Other Harvesting Costs	Total Harvest Average Costs
		- - Dollars - -		
Apples:				
Per Box 1978	.32	.06	.07	.45
1979	.36	.06	.08	.50
Per Bin 1978	7.52	1.64	1.59	10.75
1979	7.84	1.73	1.70	11.23
		- - Per Ton - -		
Bartlett Pears:				
1978	14.77	3.49	2.66	20.92
1979	15.32	3.45	3.28	22.05
Other Pears:				
1978	15.50	3.63	2.78	21.91
1979	16.50	3.73	3.40	23.63
Peaches:				
1978	26.50	5.11	5.79	37.40
1979	29.50	6.90	5.57	41.97
Prunes:				
1978	29.38	4.17	4.71	38.26
1979	32.15	4.27	4.91	41.33
Apricots:				
1978	31.80	5.60	5.90	43.30
1979	32.50	6.50	6.00	45.00
Sweet Cherries:				
1978	170.33	9.54	13.61	193.48
1979	171.65	10.36	11.84	193.85

SECTION D: Vegetable Crops

Washington is blessed with a number of fertile valleys suitable for vegetable production; most notably the Kent, Puyallup, Snohomish, and Skagit Valleys in western Washington and the Yakima, Walla Walla, and Spokane Valleys in eastern Washington. The variety of geographic and climatic conditions to be found in these areas allows for the commercial production of many vegetables. Processors purchase the largest percentage of total vegetable production, but large quantities of vegetables remain for shipment fresh to domestic and foreign markets. Increased acreage and higher crop yields resulted in a marked increase in Washington's total vegetable production in 1979.

Green peas, Washington's foremost vegetable crop, are grown on both sides of the Cascades. Some eastern Washington fields are irrigated but most of the green peas are grown on dryland. Planting of the 1979 crop got underway in late March and was completed early in June. Warm spring weather brought the crop along good, but dry weather in June caused moisture stress in the Walla Walla area. Harvest began in mid-June and continued through mid-August. Yield for the State was above normal despite the moisture shortage in the Walla Walla area.

Asparagus is an important crop to Washington and the State's production is a major portion of the national crop, representing over 30 percent of total domestic asparagus production in 1979. In Washington, plantings are made in the spring for an asparagus crop the following year and each year thereafter until removed. Yields from one year old fields are very low and therefore, harvested only lightly, if at all. Assuming favorable conditions, yields will increase each year to a peak at 6 to 10 years, after which yields still normally decrease each year until harvest becomes uneconomical. Cold weather during the winter of 1978-79 damaged much asparagus, especially older plantings. Light harvesting began in early April, but cool temperatures and untimely frost slowed cutting until May. Harvest was in full swing through May and early June, then tapered off to completion the third week of June.

Washington grown sweet corn is of national importance as well, particularly in the processed market. Growers in the State consistently achieve some of the highest yields in the nation without sacrificing quality. Fine spring weather in the corn producing areas of the State allowed planting of the 1979

crop to stay on schedule to completion by late June. The growing season was generally warm and dry, promoting rapid crop development. Harvest was active from mid-August through mid-October. Sweet corn harvest in the eastern and western parts of the State overlap greatly, but the eastern season is generally two to four weeks earlier than that of the western part of the State. Yield on non-irrigated acreage was slightly lower than normal due to the dry summer weather, but irrigated acreage yielded well. Quality remained high.

Carrots for both the fresh and processed markets are grown in the Columbia Basin, the Walla Walla area, and valleys west of the Cascades. Ranking second in the nation in commercial carrot production, Washington has climate and soil conditions most favorable to carrot production. Planting of the 1979 crop was begun in the middle of March and completed by the end of June. Warm, sunny weather through the summer matured the crop for harvest by August. Harvest was essentially complete in early November, with Washington growers obtaining the highest estimated yield per acre in the nation.

Nationally significant quantities of onions are grown in central and southern Washington. Crop estimates commonly differentiate between storage and non-storage type onions arising from the fact that some varieties are suitable for intermediate to long term storage while others are not. This difference creates demands for separate and varied information for the two segments. The 1979 storage onion crop was planted during March and April but germination was slowed by cool weather through the planting period. Temperatures warmed in late April and the crop made good growth through the early summer. Light harvest began in late August, but did not become general until after Labor Day. Yield and quality were good, but the combination of high nationwide production and diminished foreign demand greatly depressed prices. Extremely high losses were incurred by many growers and abnormally high quantities of onions were "dumped" after remaining in storage through the winter.

Non-storage type onions are planted in both the fall and spring seasons. Fall seeded onions normally yield higher, but carry higher risk of damage from winter weather. Washington's non-storage onions have been widely praised for their superior quality. Fall seeded onions for the 1979 crop suffered moderate freeze damage in the principal growing area, Walla Walla. Spring planting was delayed due to wet field conditions, but was well underway in early April. Warm, generally dry weather through May and June was favorable to both the fall and spring seeded onions. White rot was, however, still a problem for many growers. Harvest of the fall seeded crop got underway in late June, followed by the harvest of the spring plantings beginning in mid-July. Onion harvest was complete by the end of August.

VEGETABLE CROPS: FRESH MARKET - ACRES, PRODUCTION, AND VALUE,

WASHINGTON, 1978-79

Crop	Acres Planted		Acreage Harvested		Yield Per Acre	
	1978	1979	1978	1979	1978	1979
	Acres		Acres		Cwt.	
Cabbage 1/	1,100	1,100	1,000	1,000	295	240
Carrots, Total	4,800	5,200	4,500	5,000	404	426
Carrots, Fresh	---	---	---	---	---	---
Sweet Corn	2,100	2,000	2,000	1,900	80	90
Lettuce	1,300	1,300	1,200	1,200	170	170
Onions Non-Storage Type	850	800	800	750	380	370
Onions Storage Type 2/	3,200	4,000	3,100	3,900	380	400
Others 1/ 3/	8,150	7,550	8,150	7,550	---	---
Total Fresh	21,500	21,950	20,750	21,300	241	273

1/ Fresh Market and Processing Combined. 2/ Includes some quantities harvested but not sold due to shrinkage and waste. 3/ Vegetables not estimated separately include broccoli, cantaloups, cauliflower, celery, hothouse cucumbers, eggplant, garlic, green onions, parsnips, peppers, pumpkins, radishes, rhubarb, rutabagas, turnips, squash, tomatoes, watermelons, and other vegetables produced in limited quantity. Also included is fresh market production of lima beans, snap beans, field cucumbers, green peas, and spinach.

VEGETABLE CROPS: FRESH MARKET - ACRES, PRODUCTION, AND VALUE,

WASHINGTON, 1978-79

Production		Average Price 1/		Value of Production	
1978	1979	1978	1979	1978	1979
000 Cwt.		Dollars/Cwt.		000 Dollars	
295	240	4.75	6.04	1,402	1,449
1,820	2,237	2.84	3.74	5,171	8,376
205	437	12.74	13.10	2,611	5,739
160	171	8.50	9.41	1,360	1,609
204	204	7.90	11.70	1,612	2,387
304	278	10.10	12.70	3,070	3,531
1,178	1,560	9.17	4.75	8,482	4,684
1,044	1,125	---	---	10,958	13,350
5,005	5,815	6.40	6.09	32,055	35,386

1/ Fresh Market price -- F.O.B. shipping point equivalent. Processor price is processing-plant-door equivalent.

VEGETABLE CROPS: PROCESSING - ACRES, PRODUCTION, AND VALUE,

WASHINGTON, 1978-79

Crop	Acres Planted		Acreage Harvested		Yield Per Acre	
	1978	1979	1978	1979	1978	1979
	Acres		Acres		Tons	
Asparagus, Total	21,000	21,000	21,000	21,000	1.60	1.40
Asparagus, Processed	---	---	---	---	---	---
Snap Beans	2,200	2,200	2,100	2,100	3.10	4.14
Sweet Corn	41,300	42,800	40,700	40,500	7.71	7.87
Green Peas	75,700	84,600	75,000	80,200	1.58	1.72
Cucumbers	1,900	1,400	1,800	1,400	10.03	12.68
Others 1/	2,100	2,550	2,000	2,550	---	---
Total Processed	144,200	154,550	142,600	147,750	3.49	3.49
Grand Total Vegetable Crops	165,700	176,500	163,350	169,050	4.57	4.79

1/ Includes spring and fall spinach and lima beans.

VEGETABLE CROPS: PROCESSING - ACRES, PRODUCTION, AND VALUE,

WASHINGTON, 1978-79

Utilized Production		Average Price 1/		Farm Value of Production	
1978	1979	1978	1979	1978	1979
Tons		Dollars/Ton		000 Dollars	
33,600	29,400	724.00	896.00	24,335	26,371
29,400	26,300	670.00	857.00	19,698	22,539
6,500	8,700	141.00	159.00	917	1,383
313,800	318,740	59.10	66.50	18,546	21,196
118,500	137,940	204.00	222.00	24,174	30,623
18,050	17,750	133.00	135.00	2,401	2,396
5,250	6,900	---	---	1,251	1,617
495,700	519,430	144.11	161.92	71,624	83,586
745,950	810,180	138.99	146.85	103,679	118,972

1/ Processor price is processing-plant-door equivalent.

VEGETABLE CROPS: VALUE PER HARVESTED ACRE,

WASHINGTON, 1978-79

Processing Crops	1978	1979	Fresh Market Crops	1978	1979
	Dollars			Dollars	
Asparagus 1/	1,159	1,256	Cabbage 1/	1,402	1,449
Snap Beans	466	659	Carrots 1/	1,149	1,675
Sweet Corn	450	523	Sweet Corn	680	847
Green Peas	322	382	Lettuce	1,343	1,989
Cucumbers	1,504	1,711	Onions, Non-Storage	3,838	4,708
			Onions, Storage 1/	2,736	1,201
Average	502	566	Average	1,545	1,661

1/ Fresh Market and Processing.

Values represent gross returns per acre harvested, not net returns to growers. Some crops have a higher cost of production per acre and, therefore, gives a lower net return. Prices used in determining fresh market value are F.O.B. shipping point equivalent. Processing prices are on a pay-weight basis at processing plant.

ASPARAGUS: HARVESTED ACRES AND PRODUCTION, BY COUNTIES,

FRESH MARKET AND PROCESSING, WASHINGTON, 1978-79

County	Harvested Acres		Production (Tons)	
	1978	1979	1978	1979
Benton	1,800	1,700	2,800	2,100
Franklin	6,500	6,200	9,500	9,000
Grant	---	400	---	500
Walla Walla & Columbia	4,000	3,700	5,800	5,100
Yakima	8,700	9,000	15,500	12,700
State Total	21,000	21,000	33,600	29,400

LIMA BEANS: HARVESTED ACRES AND PRODUCTION, BY COUNTIES,

FRESH MARKET AND PROCESSING, WASHINGTON, 1978-79

County	Harvested Acres		Production (Tons)	
	1978	1979	1978	1979
Adams	50	100	100	150
Franklin	1,100	1,200	2,150	2,300
Grant	550	450	1,150	850
Walla Walla	250	650	500	1,100
State Total	1,950	2,400	3,900	4,400

CARROTS: HARVESTED ACRES AND PRODUCTION, BY COUNTIES,

FRESH MARKET AND PROCESSING, WASHINGTON, 1978-79

County	Harvested Acres		Production (Tons)	
	1978	1979	1978	1979
Benton	150	300	3,900	6,100
Cowlitz	150	100	1,900	1,450
Grant	800	1,000	12,600	21,900
Franklin	550	750	14,000	20,900
Skagit	1,300	1,150	30,800	25,600
Walla Walla	500	300	9,600	6,700
Whatcom	650	850	11,200	17,400
Yakima	250	400	5,100	9,900
Others 1/	150	150	1,900	1,900
State Total	4,500	5,000	91,000	111,850

1/ Includes King, Lewis, Pierce, Snohomish, and Spokane.

SNAP BEANS: HARVESTED ACRES AND PRODUCTION, BY COUNTIES,

FRESH MARKET AND PROCESSING, WASHINGTON, 1978-79

County	Harvested Acres		Production (Tons)	
	1978	1979	1978	1979
Franklin	60	80	160	330
Grant	40	10	110	40
King	20	20	30	70
Lewis	10	10	20	30
Pierce	30	20	60	80
Spokane	370	400	1,020	1,660
Whatcom	1,020	920	3,470	3,780
Walla Walla	750	810	2,250	3,300
Others 1/	80	90	130	310
State Total	2,380	2,360	7,250	9,600

1/ Others include Grays Harbor, Kitsap, Klickitat, Skagit, Snohomish, Thurston, and Yakima Counties.

CABBAGE: HARVESTED ACRES AND PRODUCTION, BY COUNTIES,

FRESH MARKET AND PROCESSING, WASHINGTON, 1978-79

County	Harvested Acres		Production (Tons)	
	1978	1979	1978	1979
Clark	300	250	6,400	4,000
King	180	150	2,350	1,050
Pierce	280	300	3,600	3,550
Spokane	20	30	150	200
Walla Walla	70	60	650	700
Yakima	80	80	950	1,000
Others 1/	70	130	650	1,500
State Total	1,000	1,000	14,750	12,000

1/ Includes Franklin, Grant, Grays Harbor, Kitsap, Klickitat, Skagit, Snohomish, Thurston, and Whatcom Counties.

CAULIFLOWER: HARVESTED ACRES AND PRODUCTION, BY COUNTIES,

FRESH MARKET AND PROCESSING, WASHINGTON, 1978-79

County	Harvested Acres		Production (Tons)	
	1978	1979	1978	1979
Pierce	120	150	600	700
Skagit	1,700	1,200	6,600	5,650
Snohomish	300	250	1,200	1,250
Others 1/	80	150	400	550
State Total	2,500	1,750	8,700	8,150

1/ Includes Cowlitz, Franklin, Island, King, Spokane, and Walla Walla Counties.

CUCUMBERS: HARVESTED ACRES AND PRODUCTION, BY COUNTIES,

FRESH MARKET AND PROCESSING, WASHINGTON, 1978-79

County	Harvested Acres		Production (Tons)	
	1978	1979	1978	1979
Clark	240	200	2,300	2,500
Pierce	340	100	2,550	1,300
Skagit	1,220	1,050	13,150	11,650
Whatcom	140	150	1,100	1,800
Yakima	10	10	50	100
Others 1/	50	40	200	400
State Total	2,000	1,550	19,350	17,750

1/ Includes Adams, Cowlitz, Grant, Grays Harbor, King, Klickitat, Lewis, Snohomish, Spokane, Thurston, and Wahkiakum Counties.

SWEET CORN: HARVESTED ACRES AND PRODUCTION, BY COUNTIES,

FRESH MARKET AND PROCESSING, WASHINGTON, 1978-79

County	Harvested Acres		Production (Tons)	
	1978	1979	1978	1979
Clark	400	350	2,500	2,800
Cowlitz	400	750	2,700	5,500
King	300	300	2,000	2,000
Lewis	1,800	1,800	10,600	12,500
Pierce	150	150	800	900
Skagit	3,350	2,000	24,000	11,600
Snohomish	1,500	1,400	8,500	10,900
Thurston	440	450	3,100	3,300
Whatcom	3,360	3,800	23,500	22,500
Benton	1,380	2,800	9,250	23,500
Kittitas	4,530	5,400	40,100	48,500
Yakima	6,250	6,500	44,000	49,600
Adams	1,600	1,400	10,300	10,000
Franklin	4,670	4,200	36,200	30,600
Grant	10,600	9,500	95,500	83,300
Walla Walla	1,720	1,200	9,500	8,200
Others 1/	250	400	900	1,590
State Total	42,700	42,400	321,800	327,290

1/ Includes Clallam, Grays Harbor, Island, Jefferson, Mason, Okanogan, and Spokane Counties.

CELERY: HARVESTED ACRES AND PRODUCTION, BY COUNTIES,

FRESH MARKET AND PROCESSING, WASHINGTON, 1978-79

County	Harvested Acres		Production (000 Cwt.)	
	1978	1979	1978	1979
King	75	70	25	27
Pierce	170	180	66	80
Skagit	10	15	3	5
Snohomish	10	10	2	4
Spokane	5	5	2	2
State Total	270	280	98	118

LETTUCE: HARVESTED ACRES AND PRODUCTION, BY COUNTIES,

WASHINGTON, 1978-79

County	Harvested Acres		Production (000 Cwt.)	
	1978	1979	1978	1979
Clark	240	250	48	45
King	350	300	60	55
Pierce	500	550	82	90
Walla Walla	10	10	2	1
Yakima	50	40	4	4
Others 1/	50	50	8	5
State Total	1,200	1,200	204	200

1/ Includes Clallam, Cowlitz, Kitsap, Klickitat, Skagit, Snohomish, Spokane, Lewis, and Whatcom Counties.

DRY ONIONS: HARVESTED ACRES AND PRODUCTION, BY COUNTIES,

COMBINED NON-STORAGE AND STORAGE TYPES, WASHINGTON, 1978-79

County	Harvested Acres		Production (000 Cwt.)	
	1978	1979	1978	1979
Adams	1,150	1,200	440	460
Franklin	280	400	80	150
Grant	1,250	1,700	530	690
Walla Walla	870	800	320	300
Yakima-Benton	350	550	112	238
State Total	3,900	4,650	1,482	1,838

GREEN PEAS: HARVESTED ACRES AND PRODUCTION, BY COUNTIES,

FRESH MARKET AND PROCESSING, WASHINGTON, 1978-79

County	Harvested Acres		Production (Tons)	
	1978	1979	1978	1979
Columbia	6,200	6,800	4,800	6,000
Grant	3,000	2,400	6,000	5,000
Grays Harbor	1,450	1,550	2,900	3,800
Lewis	3,200	4,500	6,600	9,400
Skagit	21,000	23,100	42,800	57,900
Snohomish	7,000	6,900	13,400	15,500
Walla Walla	19,000	20,900	19,100	20,100
Whatcom	7,500	6,750	13,700	11,500
Whitman	5,600	5,450	7,200	4,800
Benton	800	1,250	1,600	2,800
Others 1/	350	700	600	1,360
State Total	75,100	80,300	118,700	138,160

1/ Others include Cowlitz, Franklin, and Thurston Counties.

TOMATOES: HARVESTED ACRES AND PRODUCTION, BY COUNTIES

FRESH MARKET, WASHINGTON, 1978-79

County	Harvested Acres		Production (Tons)	
	1978	1979	1978	1979
Yakima-Benton	1,150	900	5,600	4,300
Others	50	100	400	700
State Total	1,200	1,000	6,000	5,000

Tomato production for the most part is located in the Yakima Valley. Many counties have only a few tons of tomatoes produced each year.

RHUBARB: HARVESTED ACRES AND PRODUCTION, BY COUNTIES,

WASHINGTON, 1978-79

County	Harvested Acres		Production (000 Lbs.)			
			Field Rhubarb		Hothouse Rhubarb	
	1978	1979	1978	1979	1978	1979
King	120	120	500	1,000	420	320
Pierce	450	450	2,000	3,750	1,680	1,180
State Total	570	570	2,500	4,750	2,100	1,500

Rhubarb production is located primarily in King and Pierce Counties and includes both hothouse and field.

SECTION E: Berry Crops

Washington is one of the Nation's major commercial berry producing States. Many types of berries thrive in the maritime climate of western Washington and some also do well in the fertile valleys of eastern Washington. Nearby processing plants provide a ready market for much of the State's berry production. Fresh berries are marketed on the farm, through roadside stands, and through brokers. U-pick sales, whereby buyers pick the berries they wish to purchase, have been getting increasingly popular near the large population centers.

Strawberries: Washington strawberries have been widely acclaimed for their superior quality. It is, therefore, not surprising that they are the State's leading berry crop, accounting for nearly a third of Washington's 1979 berry production. Acreage devoted to strawberry production, however, continued a declining trend that has prevailed over the past two decades. The cost and availability of labor for harvest and the increasing demand for land in the production areas have been cited as causes for this trend. Severe cold temperatures during the winter of 1978-79 caused extensive damage to the strawberry crop. Recovery was aided by warm, sunny days from late April through May, but significant losses were still evident at harvest time. Harvest began on a limited basis early in June and became general at mid-month when school-aged pickers were recessed for the summer.

Red Raspberries: Well-drained sandy loam soils and a mild climate are favorable to red raspberry production and a number of Washington counties offer such an environment. Red raspberries have long been popular among Washington farmers and in 1979 comprised over one-fourth of the State's berry crop. Freeze damage was evident in this year's crop and the dry early summer weather further hurt production in some areas. Harvest began in late June, both mechanically and by hand, and continued into early August. Yield was lower than normal, but most growers received good prices.

Cranberries: Commercial cranberry production requires acid peat soil, sand, plenty of water, and good drainage. These requirements greatly restrict the area suitable for production Nation-wide. In Washington, cranberries are grown near the coast in Pacific and Grays Harbor Counties. Acreage has remained stable in recent years due to the environmental conditions needed and the high cost of bog construction. Washington's 1979 cranberry crop benefitted from a good bloom and excellent pollination weather. Berry set was good and fair summer weather promoted good sizing. The resulting yield was the highest since 1972 when growers harvested 15,400 pounds of cranberries per acre.

Blueberries: Washington's blueberries are grown on the acidic well-drained soils of the western Cascade foothills. The 1979 crop was generally good but the warm, dry months of early summer prevented some producers from reaching full yield potential. Many growers faced a disappointing market late in the season as imported berries depressed the price.

BERRY CROPS: ACREAGE, PRODUCTION, AND VALUE,

WASHINGTON, 1978-79

Crop	Acres Harvested		Yield Per Acre	
	1978	1979	1978	1979
			Pounds	
Strawberries	3,300	3,100	5,300	5,300
Red Raspberries	2,600	2,600	5,100	4,900
Cranberries	1,100	1,100	12,640	13,360
Blueberries	800	800	6,030	5,990
Cultivated Blackberries	200	200	5,300	2,540
Currants	80	80	1,950	1,390
Black Raspberries	130	130	1,360	2,200
Others 1/	250	240	---	---
State Total	8,460	8,250	---	---

1/ Includes Wild Blackberries, Loganberries, Boysenberries, Elderberries, and Gooseberries.

BERRY CROPS: ACREAGE, PRODUCTION, AND VALUE,

WASHINGTON, 1978-79

Utilized Production 2/		Average Price 3/		Value of Production	
1978	1979	1978	1979	1978	1979
000 Pounds		Cents Per Pound		000 Dollars	
17,500	16,400	25.4	34.7	4,452	5,696
13,260	12,740	70.4	69.5	9,335	8,854
13,900	14,700	21.7	25.5	3,016	3,749
4,824	4,792	64.1	54.8	3,092	2,626
1,060	508	49.1	55.2	520	280
156	111	30.1	42.3	47	47
177	286	75.0	86.7	133	248
677	496	--	--	245	230
51,554	50,033	40.4	43.4	20,840	21,730

2/ Includes Cranberries lost due to dehydration and berry breakdown after delivery; 1978: 430,000 lbs.; 1979: 310,000 lbs. 3/ Fresh market and processing combined.

BERRY CROPS: UTILIZATION AND PRICE RECEIVED,

WASHINGTON, 1978-79

Crops	Processed				Fresh Market			
	Quantity		Price		Sales		Price	
	1978	1979	1978	1979	1978	1979	1978	1979
	000 Lbs.		¢/Lb.		000 Lbs.		¢/Lb.	
Strawberries	14,000	13,400	24.0	34.0	3,500	3,000	31.2	38.0
Red Raspberries	12,243	10,950	70.7	68.5	1,017	1,790	66.7	75.5
Cranberries	11,970	12,540	21.7	25.5	1,500	1,850	21.7	25.5
Blueberries	3,896	3,419	63.1	49.8	928	1,373	68.4	67.3
Cultivated Blackberries	1,015	487	48.9	55.4	45	21	52.5	50.0
Currants	154	109	30.0	42.4	2	2	37.9	37.8
Black Raspberries	174	284	75.0	86.7	3	2	75.0	86.7
State Total	43,452	41,189	--	--	6,995	8,038	--	--

STRAWBERRIES: ACREAGE BY VARIETY, WASHINGTON, 1978-79

Variety	1978		1979	
	Acres	Percent	Acres	Percent
Shuksan	1,000	30.3	1,000	32.2
Hood	1,250	37.9	900	29.0
Totem	230	7.0	360	11.6
Olympus	400	12.1	350	11.3
Rainier	190	5.8	200	6.5
Puget Beauty	100	3.0	160	5.2
Northwest	50	1.5	50	1.6
Others 1/	80	2.4	80	2.6
State Total	3,300	100.0	3,100	100.0

1/ Others include Tioga, Marshall, Benton, Quinault, Silitz, and Robinson.

STRAWBERRIES: ACRES HARVESTED, YIELD, AND PRODUCTION, BY COUNTIES, WASHINGTON, 1978-79

County	Acres Harvested		Yield Per Acre		Production	
	1978	1979	1978	1979	1978	1979
			Pounds		000 Pounds	
Clallam	100	60	4,600	4,500	460	270
Clark	370	300	4,510	5,100	1,670	1,530
King	420	390	4,240	4,850	1,780	1,890
Kitsap	60	50	3,000	3,000	180	150
Lewis	120	100	3,750	3,400	450	340
Pierce	480	480	4,040	4,600	1,940	2,210
Skagit	650	600	6,060	6,050	3,940	3,630
Snohomish	250	250	5,280	4,800	1,320	1,200
Thurston	140	140	3,640	3,000	510	420
Whatcom	500	500	8,800	8,100	4,400	4,050
Others 1/	210	230	4,050	3,090	850	710
State Total	3,300	3,100	5,300	5,300	17,500	16,400

1/ Others include Cowlitz, Franklin, Grant, Grays Harbor, Island, Spokane, Yakima, Walla Walla, and several minor producing counties.

RED RASPBERRIES: ACREAGE BY VARIETY, WASHINGTON, 1978-79

Variety	1978		1979	
	Acres	Percent	Acres	Percent
Willamette	1,760	67.7	1,820	70.0
Meeker	420	16.1	400	15.4
Puyallup	160	6.2	190	7.3
Sumner	210	8.1	150	5.8
Others 1/	50	1.9	40	1.5
State Total	2,600	100.0	2,600	100.0

1/ Others include Heidi, Fairview, and other minor varieties.

RED RASPBERRIES: ACRES HARVESTED, YIELD, AND PRODUCTION, BY COUNTY, WASHINGTON, 1978-79

County	Acres Harvested		Yield Per Acre		Production	
	1978	1979	1978	1979	1978	1979
			Pounds		000 Pounds	
Clallam	60	60	5,050	4,700	303	282
Clark	100	110	5,100	5,300	510	583
King	120	100	4,150	3,900	498	390
Kitsap	80	80	4,550	5,350	364	428
Pierce	720	700	5,150	4,750	3,708	3,325
Skagit	270	270	5,120	6,900	1,382	1,863
Snohomish	260	240	4,650	5,350	1,209	1,284
Whatcom	840	900	5,550	4,550	4,662	4,095
Others 1/	150	140	4,160	3,500	624	490
State Total	2,600	2,600	5,100	4,900	13,260	12,740

1/ Others include Berton, Cowlitz, Grant, Grays Harbor, Island, Lewis, Mason, Spokane, Thurston, and Yakima Counties.

BLUEBERRIES: ACREAGE BY AGE, WASHINGTON, 1978-79

Age (Years)	1978		1979	
	Acres	Percent	Acres	Percent
1-5	40	5.0	50	6.3
6-10	165	20.6	170	21.2
11-20	235	29.4	220	27.5
Over 20	360	45.0	360	45.0
State Total	800	100.0	800	100.0

BLUEBERRIES: ACRES HARVESTED, YIELD, AND PRODUCTION,

BY COUNTIES, WASHINGTON, 1978-79

County	Acres Harvested		Yield Per Acre		Utilized Production	
	1978	1979	1978	1979	1978	1979
			Pounds		000 Pounds	
Clark	35	40	5,140	4,400	180	176
King	135	120	4,800	6,000	648	720
Kitsap	10	5	4,600	4,800	46	24
Lewis	90	90	5,470	6,500	492	585
Pierce	160	150	7,950	6,180	1,272	927
Skagit	35	35	6,140	4,200	215	147
Snohomish	15	25	4,270	6,400	64	160
Thurston	105	105	5,550	5,130	583	539
Whatcom	185	200	6,420	6,850	1,188	1,370
Others 1/	30	30	4,530	4,800	136	144
State Total	800	800	6,030	5,990	4,824	4,792

1/ Others include Cowlitz, Grays Harbor, and Pacific Counties.

CULTIVATED BLACKBERRIES: ACREAGE BY VARIETY, WASHINGTON, 1978-79

Variety	1978		1979	
	Acres	Percent	Acres	Percent
Evergreen	150	75.0	150	75.0
Marion	20	10.0	10	5.0
Others 1/	30	15.0	40	20.0
State Total	200	100.0	200	100.0

1/ Includes Darrow, Cascade, Himalaya, Chehalem, and other minor varieties.

CULTIVATED BLACKBERRIES: ACRES HARVESTED, YIELD, AND PRODUCTION, BY COUNTY, WASHINGTON, 1978-79

County	Acres Harvested		Yield Per Acre		Production	
	1978	1979	1978	1979	1978	1979
			Pounds		000 Pounds	
Clark	60	65	5,950	3,080	357	200
Cowlitz	15	20	5,470	2,500	82	50
King	20	20	5,750	3,000	115	60
Pierce	60	50	6,150	3,020	369	151
Others 1/	45	45	3,040	1,040	137	47
State Total	200	200	5,300	2,540	1,060	508

1/ Others include Grays Harbor, Island, Kitsap, Lewis, Skagit, Thurston, Snohomish, and Yakima Counties.

CURRANTS: ACREAGE BY VARIETY, WASHINGTON, 1978-79

Variety	1978		1979	
	Acres	Percent	Acres	Precent
Perfection	55	68.7	60	75.0
Red Lake	15	18.8	10	12.5
Wilder	5	6.2	5	6.2
Others	5	6.3	5	6.3
State Total	80	100.0	80	100.0

Currants are grown in western, mainly on Vashon Island, but production has also been possible in eastern Washington. The Pertection variety has exceeded other varieties for several years.

CURRANTS: ACRES HARVESTED, YIELD, AND PRODUCTION,

BY COUNTIES, WASHINGTON, 1978-79

County	Acres Harvested		Yield Per Acre		Utilized Production	
	1978	1979	1978	1979	1978	1979
			- Pounds -		- 000 Pounds -	
Benton	5	5	3,000	3,600	15	18
King	65	70	1,850	1,160	120	81
Others 1/	10	5	2,100	2,400	21	12
State Total	80	80	1,950	1,390	156	111

1/ Others include Grays Harbor, Island, Pierce, and Yakima Counties.

CRANBERRIES: ACRES HARVESTED AND PRODUCTION,

BY COUNTY, WASHINGTON, 1978-79

Year	Pacific County		Grays Harbor County	
	Acres Harvested	Utilized Production	Acres Harvested	Utilized Production
		Bbls.		Bbls.
1978	900	113,800	200	25,200
1979	900	120,300	200	26,700

The first cranberry bog in Washington was planted about 1882 from berries native to bogs in regions further north. Most bogs are located in old lake beds or similar places usually near abundant water supplies. Water is necessary not only for irrigation but also for frost protection. McFarlin is the principal variety grown.

BLACK RASPBERRIES: ACRES HARVESTED, YIELD, AND PRODUCTION,

BY COUNTY, WASHINGTON, 1978-79

County	Acres Harvested		Yield Per Acre		Utilized Production	
	1978	1979	1978	1979	1978	1979
			Pounds		000 Pounds	
Clark	120	120	1,375	2,225	165	267
Others 1/	10	10	1,200	1,900	12	19
State Total	130	130	1,360	2,200	177	286

1/ Others include Cowlitz, Jefferson, Lewis, Pierce, Skamania, and Thurston Counties.

Black raspberries are grown primarily in Clark County in the extreme southwestern portion of the State. Munger is the principal black raspberry variety. It is susceptible to diseases but is favored because of superior yield and fruit quality.

COLD STORAGE HOLDINGS OF BERRIES FOR SELECTED MONTHS,

UNITED STATES, 1975-79

Berry Type Year	May 31	June 30	July 31	August 31
	-- 000 Pounds --			
Strawberries				
1975	103,428	166,907	204,081	185,913
1976	78,160	145,916	166,874	159,161
1977	112,661	201,575	231,683	218,962
1978	115,311	187,998	192,132	172,946
1979	117,258	185,527	196,668	187,450
1975-79 Av.	105,364	177,585	198,288	184,886
Raspberries (Total)				
1975	8,788	7,896	29,685	33,600
1976	10,201	8,764	23,884	23,253
1977	4,417	4,251	25,676	25,200
1978	3,707	5,849	26,405	21,936
1979	6,205	7,747	24,772	23,297
1975-79 Av.	6,664	6,901	26,084	25,457
Blackberries				
1975	9,682	8,331	13,606	17,192
1976	6,059	5,275	7,644	11,787
1977	5,702	5,354	8,968	13,651
1978	3,792	4,004	7,229	11,552
1979	4,045	4,963	5,473	11,436
1975-79 Av.	5,856	5,585	8,584	13,124
Blueberries				
1975	16,312	13,623	15,112	34,759
1976	7,558	6,530	10,541	32,373
1977	8,526	8,688	15,559	29,250
1978	9,329	8,316	15,488	32,441
1979	18,554	17,099	18,639	38,749
1975-79 Av.	12,056	10,851	15,068	33,514

SECTION F: Livestock, Dairy and Poultry

Farm value of production of meat animals, dairy and poultry products, and related miscellaneous livestock products set a new record of over three-fourths of a billion dollars in 1979. The production total of 3.6 billion pounds, including adjustments in livestock inventories, was 6 percent above 1978 while the value of production at 766.1 million dollars rose 28 percent from the year before. Both the quantity produced and the value of production was up for all major species and products. The rise in value of production was, in all cases, large enough to cover the higher production and in most cases, reflected higher prices received by farmers for commodities marketed.

Year-end inventory numbers and values for cattle, hogs, and sheep rose from 1978 to 1979. However, farm chicken inventory numbers declined slightly. The total inventory value of 901.4 million dollars for all species rose 42 percent in response to a large increase in per head values of cattle and calves and a moderate increase for sheep and lambs which more than offset declines in hog and chicken values.

Washington dairymen continued to do well in 1979 with dairying one of the healthier segments of the State's agriculture. Annual milk production for 1979, at a record 2,811 million pounds, rose 5 percent from 1978. The increase was the result of an increase in the cow herd from 186-192 thousand head and a moderate increase in milk production per cow. During 1979, milk per cow averaged 14,641 pounds compared with 14,349 in 1978. This record level held Washington in first place, Nationally, and 28 percent above the United States average milk produced per cow. The State ranks tenth in the Nation in term of total milk produced and value of production. The annual average price received by dairymen for milk rose from an average $10.90 per cwt. in 1978 to $12.20 per cwt. in 1979

Washington's cattle and calf inventory at 1,579,000 head, on January 1, 1980, was up 204,000 head (15 percent) from 1979. This sharp increase set a new record, topping the 1,420,000 on hand January 1, 1975. Herd rebuilding began in 1978, a year before most other States, and accelerated as near record numbers of replacement heifers calved offsetting heavy cow slaughter. All classes, except replacement heifers, increased with steers over 500 pounds and calf numbers registering the greatest rise. The 1979 calf crop totaled 510,000 head, up 4 percent from 491,000 in 1978. The larger calf crop was a response to higher cow numbers and moverate calving weather, which reduced calf deaths. Inventory values of all cattle and calves continued their upward spiral with per head value rising 25 percent from $445.00 on January 1, 1979--$555.00 on January 1, 1980. Total value is now placed at a record 876.3 million dollars, 43 percent higher than the year before. The value of production for 1979 at 309.5 million dollars, was 48 percent above 1978. Higher prices for both cattle and calves were the major contributing factors in the rise.

The December 1, 1979 hog and pig inventory at 126,000 head, almost doubled as higher prices for each of the last 2 years induced former producers back into hog production. In addition, new hog farms started up and operations were expanded on many older hog farms. Farm numbers expanded from 3,200 to 3,500 and the December 1 inventory was up 97 percent from 64,000 on December 1, 1978. Despite a decline of $19.00 per head, increased numbers raised the inventory value 50 percent to 7.60 million dollars. The larger breeding herd also raised value of production 35 percent to 13.4 million dollars in 1979 from 10.0 million dollars in 1978. Production at 30,705,000 pounds was up 49 percent from 20,597,000 pounds in 1978.

Sheep farms and numbers reversed their downward trend and rose slightly in 1979. Sheep and lambs on hand on January 1, 1980 totaled 65,000 head, up 16 percent from the record low of 56,000 the year before. Most of the increase was in ewes and ewe lambs. Production in 1979, at 4,401,000 pounds, was up 31 percent from 1978 while values of production rose only 4 percent. Inventory value was up sharply from the year before due to both the higher value per head of sheep and lambs and the increase in inventory numbers.

Farm chickens not including commercial broilers, recorded a 6 percent production gain over 1978 to 20.2 million pounds, and the value of production was up 23 percent from 1,486,000 dollars to 1,835,000 dollars. The inventory value, however, dropped from 14.0 million to 12.7 million dollars due to a reduced inventory and lower egg prices late in the year which depressed the value of laying hens. The inventory at 6.0 million on December 1, 1979 is 3 percent below the 6.2 million on the same date the year before. Virtually all of the decline was in pullets under 3 months old while hens and pullets of laying eggs, at 5,068,000, were up 6,000 from the year before.

Broiler production in 1979 was 83.4 million pounds, 17 percent higher than in 1978. The total value of production in 1979, at 25.0 million dollars, rose 14 percent from 21.9 million dollars the year before. Increased production more than offset a slight reduction in price per pound.

Eggs produced in 1979 totaled 97.7 million dozen, up 5 percent from 93.4 million dozen in 1978. Value of production was up 14 percent from 43.7 million to 49.7 million dollars in response to both the increased production and a rise in annual average price from the 46.8 cents to 50.9 cents per dozen.

Honey production in 1979 rose 9 percent from 2.8 million to 3.0 million pounds, however, the value of production was only up 7 percent to 1.6 million dollars due to a 0.9 cent reduction in price to 54.0 cents per pound. Although colony numbers dropped 2,000 to 80,000, honey yield per colony rose from 34 to 38 pounds to increase the total production. Beeswax production plunged 26 percent to 40,000 pounds and the value of production plummeted 36 percent to 67,000 dollars. The sharper decline in value of production was due to a 28 cent decline in price received by producers from the 1978 high of $1.96 to $1.68 per pound in 1979.

LIVESTOCK, DAIRY, AND POULTRY: PRODUCTION AND VALUE

WASHINGTON, 1978-79

Species	Unit of Production	Production		Value of Production 1/		
		Revised 1978	Preliminary 1979	1978	1979	Percent of Total
				000 Dollars		Percent
Cattle & Calves	000 Pounds	429,180	458,670	208,455	309,470	40.4
Hogs	" "	20,597	30,705	9,968	13,448	1.7
Sheep & Lambs	" "	3,358	4,401	2,217	2,297	.3
Wool	" "	578	523	405	424	.1
Farm Chickens	" "	19,050	20,169	1,486	1,835	.2
Broilers	" "	71,115	83,357	21,903	25,007	3.3
Eggs	Millions	1,121	1,172	43,719	49,712	6.5
Milk	Mil. Lbs.	2,669	2,811	290,921	342,942	44.8
Mink	000 Pelts	167	172	6,618	7,052	.9
Honey	000 Pounds	2,788	3,040	1,531	1,642	.2
Beeswax	" "	53	40	104	67	---
Miscellaneous 2/	" "	31,454	27,093	11,814	12,246	1.6
Total 3/	000 Pounds	3,395,020	3,593,529	599,141	766,142	100.0

1/ Value of Production including value of home consumption. 2/ Includes turkeys, turkey eggs, ducks, and other miscellaneous poultry, horses, goats and goat's milk, and rabbits. 3/ Includes mink pelts and eggs converted to pounds.

INVENTORY TOTAL ON WASHINGTON FARMS, VALUE, AND FARM NUMBERS

Species	Number		Value				Farm Numbers 2/	
			Per Head		Total			
	1979	1980	1979	1980	1979	1980	1978	1979
	000 Head		Dollars		000 Dollars		000	
Cattle & Calves 1/	1,375	1,579	445.00	555.00	611,875	876,345	21.0	21.0
Milk Cows 1/	190	195	N.A.	N.A.	N.A.	N.A.	4.0	3.8
Sheep & Lambs 1/	56	65	68.00	73.50	3,808	4,778	1.2	1.3
	1978	1979	1978	1979	1978	1979	1978	1979
Hogs & Pigs 2/	64	126	79.00	60.00	5,056	7,560	3.2	3.5
Chickens* 2/	6,217	6,033	2.25	2.10	13,988	12,669	N.A.	N.A.

* Excludes Commercial Broilers. 1/ As of January 1 of the year shown. 2/ As of December 1 of the year shown.

WASHINGTON LIVESTOCK AND POULTRY INVENTORIES BY CLASS

Cattle and Sheep, January 1, 1978 and 1979

Swine and Poultry, December 1, 1978 and 1979

Species and Class	Year		Species and Class	Year	
January 1	1979	1980	December 1	1978	1979
	000 Head			000 Head	
CATTLE AND CALVES			HOGS AND PIGS		
All Cattle & Calves	1,375	1,579	All Hogs & Pigs	64	126
Cows & Heifers That Have Calved:	570	578	Kept for Breeding	9	21
Beef Cows	380	383	Market Hogs & Pigs	55	105
Milk Cows	190	195	By Weight Group:		
Heifers 500 Pounds & Over:	247	237	Under 60 Pounds	22	62
For Beef Cow Replacement	76	65	60-119 Pounds	14	23
For Milk Cow Replacement	90	68	120-179 Pounds	11	11
Other	81	104	180 Pounds & Over	8	9
Steers 500 Pounds & Over	240	369			
Bulls 500 Pounds & Over	28	29			
Calves--Heifers, Steers & Bulls Under 500 Pounds	290	366			
SHEEP AND LAMBS					
All Sheep & Lambs	56	65	CHICKENS*		
On Feed 1/	---	---			
			All Chickens	6,217	6,033
Stocks Sheep	56	65	Hens & Pullets of Laying Age:	5,062	5,068
One Year Old & Older	42	47	Hens	3,016	2,534
Ewes	39	43	Pullets	2,046	2,534
Rams & Wethers	3	4	Pullets 3 Mo. & Over Not of Laying Age	457	452
Lambs	14	18	Pullets Under 3 Mo.	661	471
Ewes	11	13	Other Chickens	37	42
Rams & Wethers	3	5			

* Excludes commercial broilers. 1/ Estimates discontinued, included in Stock Sheep.

LIVESTOCK AND POULTRY INVENTORY,

SUPPLY, AND DISPOSITION, WASHINGTON, 1978-79 1/

Year	Inventory January 1	Annual Births		Inship-ments	Marketings 2/		Farm Kill 3/	Died	Ending Inven-tory 4/
					- - 000 Head - -				
CATTLE & CALVES:		Calves			Cattle	Calves			
1978	1,275	491		350	451	143	72	75	1,375
1979	1,375	510		358	441	77	58	88	1,579
SHEEP & LAMBS:		Lambs			Sheep	Lambs			
1978	62	50		10	1	39	4	22	56
1979	56	54		6	1	29	4	17	65
HOGS & PIGS: 5/		Pigs Spring	Pigs Fall		All Hogs & Pigs				
1978	68	47	48	---	84		11	4	64
1979	64	80	98	---	98		11	7	126
		Raised			Sold	Home Consumption		Lost	
FARM CHICKENS: 5/									
1978	5,774	5,700		---	4,233	64		960	6,217
1979	6,217	5,810		---	4,920	64		1,010	6,033
BROILERS:									
1978	---	17,345		---	17,345	6/		7/	---
1979	---	19,847		---	19,847	6/		7/	---

1/ Sum in Inventory, Births, and Inshipments is equal to sum of Marketings, Farm Kill, Died, and Ending Inventory. 2/ Includes custom slaughter for use on farms where produced, but excludes inter-farm sales within the State. 3/ Excludes custom slaughter for farmers at commercial plants. 4/ January 1 following year except hogs and chickens which are December 1. 5/ Inventory data is December 1. 6/ Less than 1 percent. 7/ Deducted in the computation of Raised.

LIVESTOCK, POULTRY, AND LIVESTOCK PRODUCTS,

PRODUCTION AND VALUE, WASHINGTON, 1978-79

Commodity and Year	Production 1/	Marketings 2/	Average Price Per Cwt.		Value of Production
	000 Lbs.		Dollars		000 Dollars
CATTLE & CALVES:			Cattle	Calves	
1978	429,180	512,035	47.40	54.90	208,455
1979	458,670	496,115	65.90	78.60	309,470
SHEEP & LAMBS:			Sheep	Lambs	
1978	3,358	4,334	11.80	62.40	2,217
1979	4,401	3,078	13.80	64.30	2,297
HOGS & PIGS:			All Hogs & Pigs		
1978	20,597	17,375	48.40		9,968
1979	30,705	20,747	43.80		13,448
FARM CHICKENS 3/:			Cents Per Lb.		
1978	19,050	17,355	7.8		1,486
1979	20,169	20,172	9.1		1,835
BROILERS 3/:					
1978	71,115	71,115	30.8		21,903
1979	83,357	83,357	30.0		25,007
WOOL:					
1978	578	---	70.0		405
1979	523	---	81.0		424
EGGS 3/:	Million Eggs		Cents Per Doz.		
1978	1,121	1,116	46.8		43,719
1979	1,172	1,167	50.9		49,712

1/ Adjustments made for changes in inventory and for inshipments. 2/ Excludes custom slaughter for use on farms where produced and interfarm sales within the State. 3/ Produced December 1-November 30 preceding year.

CATTLE AND CALVES ON FEED:

BY QUARTERS AND AREAS, WASHINGTON, 1978-79 1/

Items	January		April		July		October	
	1978	1979	1978	1979	1978	1979	1978	1979
	- Thousands -							
Cattle and Calves on Feed 1st of Month	184	188	183	179	174	178	201	165
Cattle on Feed by Class:								
Steers & Steer Calves	132	139	124	129	124	135	149	139
Heifers & Heifer Calves	52	47	57	48	50	41	52	26
Cows & Others	0	2	2	2	0	2	0	0
Cattle on Feed by Feeding Areas:								
West of Cascades	2	1	2	1	1	1	2	1
Yakima Valley 2/	81	90	83	73	79	72	91	69
Columbia Basin 3/	99	96	96	103	93	103	107	93
North & Eastern Co. 4/	2	1	2	2	1	2	1	2
Steers & Heifers on Feed by Weight Groups:								
Under 500 Lbs.	4	2	0	2	0	0	1	1
500 - 699 Lbs.	19	14	39	30	9	24	11	9
700 - 899 Lbs.	87	67	69	67	92	79	86	62
900 - 1,099 Lbs.	63	105	61	73	59	70	90	78
1,100 Lbs. Plus	11	17	12	17	14	16	13	22
Cattle & Calves Placed on Feed Previous Quarter 5/	115	102	100	100	97	101	123	87
Fed Cattle Marketed Previous Quarter 5/	96	113	96	106	102	98	95	99
Other Disappearance Previous Quarter 5/	1	2	5	3	4	4	1	1

1/ Cattle and calves on feed include only animals on faitening rations to be marketed directly to slaughter grading U.S. good or better. 2/ Includes Kittitas Valley and Klickitat County. 3/ Includes Adams, Franklin, Grant, and Walla Walla Counties. 4/ Combined to avoid revealing individual operations. 5/ Includes cattle placed on feed after beginning of quarter and marketed before end of quarter.

COMMERCIAL SLAUGHTER BY SPECIE,

WASHINGTON, 1978-79 1/

Month	Cattle				Calves			
	Number of Head		Total Liveweight		Number of Head		Total Liveweight	
	1978	1979	1978	1979	1978	1979	1978	1979
	000 Head		000 Lbs.		000 Head		000 Lbs.	
January	60.7	62.2	67,392	71,274	4.0	2.9	570	430
February	59.9	50.9	65,888	57,550	2.5	1.8	383	233
March	62.9	52.8	68,993	59,744	3.3	1.5	526	194
April	53.0	48.1	58,108	54,648	2.1	1.5	413	243
May	55.8	53.6	61,176	62,009	2.4	1.2	518	208
June	55.6	56.0	59,995	63,928	2.5	1.7	323	169
July	55.1	53.2	58,856	59,899	2.4	2.1	328	304
August	65.5	60.8	70,909	68,039	3.3	2.7	421	361
September	58.6	52.9	64,224	59,096	2.9	2.1	375	292
October	64.3	54.4	72,322	62,355	3.0	2.9	419	344
November	60.8	52.4	69,323	59,562	3.4	3.3	376	406
December	58.5	53.3	67,340	60,458	2.9	3.1	311	411
Year	710.7	650.6	784,527	738,560	34.5	26.9	4,963	3,595

Month	Hogs & Pigs				Sheep & Lambs			
	Number of Head		Total Liveweight		Number of Head		Total Liveweight	
	1978	1979	1978	1979	1978	1979	1978	1979
	000 Head		000 Lbs.		000 Head		000 Lbs.	
January	47.8	43.0	10,980	9,879	16.9	22.5	1,934	2,651
February	42.5	37.1	9,659	8,455	12.6	16.2	1,417	1,933
March	47.2	46.2	10,786	10,556	17.1	18.3	2,004	2,250
April	45.3	46.7	10,443	10,564	17.4	17.3	2,096	2,084
May	47.6	51.2	10,964	11,751	19.4	18.0	2,257	2,117
June	45.3	37.6	10,446	8,860	18.0	15.6	2,076	1,774
July	42.0	47.4	9,625	10,853	22.7	19.8	2,625	2,366
August	47.5	57.6	10,828	13,049	20.1	19.9	2,302	2,286
September	43.9	55.6	9,990	12,610	19.0	18.6	2,266	2,173
October	46.1	72.3	10,634	16,810	18.4	23.3	2,296	2,829
November	43.9	64.3	10,107	15,020	16.4	19.3	2,025	2,264
December	39.5	51.2	9,289	11,941	19.7	17.9	2,405	2,113
Year	538.5	610.2	123,752	140,347	217.7	226.8	25,703	26,841

1/ Includes slaughter in Federally inspected and in other slaughter plants, but excludes animals slaughtered on farms.

MILK: PRODUCTION, DISPOSITION, AND INCOME,

WASHINGTON, 1978-79

	Unit	1978	1979
Milk Cows on Farms, Average During Year 1/	Thous.	186	192
Production of Milk and Milkfat 2/			
Milk per cow	Pounds	14,349	14,641
Milkfat per cow	"	531	537
Milkfat percentage	Percent	3.70	3.67
Total pounds milk	Mil. Lbs.	2,669	2,811
Total pounds milkfat 3/	" "	99	103
Milk Used on Farms Where Produced	" "	32	33
Fed to calves 2/	" "	24	27
Used for milk, cream, and butter	" "	8	6
Milk Marketed by Farmers			
Sold to plants and dealers as whole milk	" "	2,510	2,660
Percent fluid grade	Percent	100	100
Price	Dollars	10.60	11.90
Cash receipts	000 Dol.	266,060	316,540
Milk sold directly to consumers 4/ quantity	Mil. Lbs.	127	118
Milk sold directly to consumers 4/ quantity	000 Qts.	59,070	54,884
Price per quart	Cents	36.0	41.0
Cash receipts	000 Dol.	21,265	22,502
Combined Marketings of Milk and Cream			
Milk utilized	Mil. Lbs.	2,637	2,778
Average return per 100 pounds of milk 5/	Dollars	10.90	12.20
Average return per pound of milkfat 5/	"	2.95	3.32
Cash receipts from marketings	000 Dol.	287,325	339,042
Used for milk, cream, and butter on farms 6/	Mil. Lbs.	8	6
Value of farm use for milk, cream and butter	000 Dol.	872	732
Gross farm income from dairy products 7/	" "	288,197	339,774
Farm value of milk produced 6/ 8/	" "	290,921	342,942

1/ Excludes heifers not yet fresh. 2/ Excludes milk sucked by calves. 3/ Milk equivalent included in total pounds of milk. 4/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes production by institutional herds. 5/ Cash receipts divided by milk for milkfat represented in combined marketings. 6/ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. 7/ Cash receipts from marketings of milk and cream plus value of milk used for home consumption and farm churned butter. 8/ Includes value of milk fed to calves.

MILK COWS AND MILK PRODUCTION, MONTHLY AND ANNUAL,

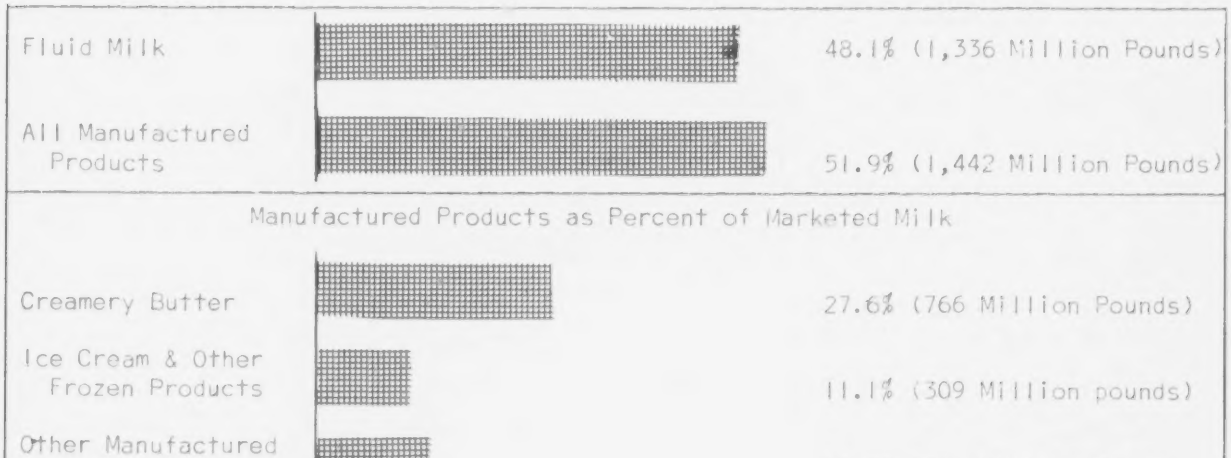
WASHINGTON, 1978-79

Month	Milk Cows on Farms 1/		Milk Per Cow 2/		Milk Production 2/	
	1978	1979	1978	1979	1978	1979
	000		Pounds		Mil. Lbs.	
January	176	190	1,205	1,170	212	222
February	180	190	1,090	1,075	196	204
March	185	191	1,190	1,225	220	234
April	185	192	1,215	1,220	225	234
May	185	192	1,310	1,330	242	255
June	186	192	1,260	1,280	234	246
July	186	192	1,275	1,305	237	251
August	187	192	1,245	1,275	233	245
September	189	192	1,160	1,210	219	232
October	190	195	1,185	1,210	225	236
November	190	195	1,100	1,140	209	222
December	190	195	1,140	1,180	217	230
Annual	186	192	14,349	14,641	2,669	2,811

1/ Excludes heifers not yet fresh. 2/ Excludes milk sucked by calves.

UTILIZATION OF MILK MARKETED IN WASHINGTON, 1979 1/

Total Milk Marketed Equaled 2,778 Million Pounds



1/ Manufactured products utilization based on whole milk equivalent adjusted to remove duplication. 2/ Includes Cheese, Evaporated and Condensed Milk, Dry Whole Milk, Whey, etc.

MANUFACTURED DAIRY PRODUCTS, MONTHLY, AND ANNUAL,
WASHINGTON, 1978-79

Month	Butter		Cottage Cheese				Whole Milk Cheese 1/	
			Curd		Creamed			
	1978	1979	1978	1979	1978	1979	1978	1979
	- 000 Lbs. -							
Jan.	2,786	2,662	1,950	1,983	2,571	2,385	2,915	3,626
Feb.	2,260	2,055	1,925	1,851	2,500	2,208	2,541	3,169
Mar.	2,442	2,641	2,187	2,111	2,771	2,701	3,045	5,032
Apr.	2,790	2,855	2,237	1,912	2,290	2,340	3,406	3,778
May	2,645	3,319	2,265	2,184	2,756	2,753	4,304	4,185
June	2,763	3,025	2,109	2,020	2,675	2,635	3,550	4,007
July	2,802	3,176	1,924	1,958	2,419	2,479	3,740	4,070
Aug.	2,399	2,837	2,011	1,971	2,588	2,604	3,569	4,112
Sept.	2,443	2,614	1,926	1,717	2,395	2,274	3,244	3,443
Oct.	2,160	3,007	1,844	1,958	2,386	2,605	3,482	3,686
Nov.	2,139	2,703	1,804	1,728	2,165	2,254	3,397	3,548
Dec.	2,122	3,116	1,694	1,680	1,912	2,201	3,643	3,618
Plants	12	12	15	15	16	16	8	7
Annual	29,751	34,010	23,876	23,073	29,428	29,439	40,836	46,274

1/ Includes American and Italian

MANUFACTURED DAIRY PRODUCTS, MONTHLY, AND ANNUAL,
WASHINGTON, 1978-79

Month	Ice Cream Mix		Ice Cream 1/		Ice Milk Mix		Ice Milk		Milk Sherbet	
	1978	1979	1978	1979	1978	1979	1978	1979	1978	1979
	- 000 Gal. -									
Jan.	587	587	1,147	1,135	367	310	576	450	92	87
Feb.	582	581	1,187	1,139	369	262	584	471	121	66
Mar.	697	646	1,403	1,321	499	460	758	662	145	74
Apr.	619	697	1,235	1,389	453	464	683	729	144	97
May	786	686	1,531	1,344	514	491	754	783	150	118
June	788	848	1,617	1,656	620	576	911	899	217	141
July	822	1,053	1,636	2,059	585	633	910	1,043	169	127
Aug.	800	969	1,482	1,890	574	605	916	921	153	135
Sept.	749	696	1,454	1,393	447	481	664	763	129	78
Oct.	645	700	1,316	1,354	412	418	611	614	116	66
Nov.	561	621	1,102	1,237	357	368	515	574	101	84
Dec.	585	595	1,147	1,222	327	373	488	476	105	85
Plants	16	16	2/19	*	19	19	2/19	2/19	2/16	*
Annual	8,221	8,679	16,257	17,139	5,524	5,441	8,380	8,385	1,642	1,158

1/ Ice Cream must contain 10 percent or more butterfat. 2/ Plant number limited to those with hard production, does not include those making only soft product. * Plant count not published.

EGG PRODUCTION: LAYERS AND EGGS PRODUCED, MONTHLY AND ANNUAL,

WASHINGTON, 1978-79

Month	1978			1979		
	Average Number Layers	Eggs Produced		Average Number Layers	Eggs Produced	
		Per 100 Layers	Total		Per 100 Layers	Total
	000		Millions	000		Millions
December 1/	4,754	1,972	94	5,028	2,108	106
January	4,834	2,012	97	4,876	2,031	99
February	4,845	1,834	89	4,775	1,736	83
March	4,671	2,037	95	4,783	1,944	93
April	4,582	1,092	87	4,761	1,896	90
May	4,652	1,941	90	4,786	1,938	93
June	4,591	1,911	88	4,942	1,956	97
July	4,568	2,068	94	5,053	2,065	104
August	4,781	2,055	98	5,080	2,003	102
September	4,810	1,908	92	5,123	1,929	99
October	4,876	1,996	97	5,012	2,055	103
November	5,043	1,977	100	4,981	2,070	103
Annual 2/	4,751	23,595	1,121	4,933	23,758	1,172

1/ December preceding year. 2/ Production per 100 layers is derived.

CHICKS HATCHED, MONTHLY AND ANNUAL, WASHINGTON, 1978-79

Month	1978		1979	
	Egg-Type	Broiler-Type	Egg-Type	Broiler-Type
	- Thousands -			
January	387	1,106	438	1,184
February	495	1,152	399	1,041
March	382	1,465	465	1,665
April	671	1,444	656	1,771
May	881	1,597	790	1,733
June	518	1,425	609	1,665
July	221	1,231	346	1,570
August	93	1,068	185	1,256
September	377	957	447	993
October	523	900	404	1,137
November	637	976	425	1,062
December	732	1,008	414	1,093
Annual	5,917	14,329	5,578	16,170

HONEY AND BEESWAX, NUMBER OF COLONIES, PRODUCTION AND VALUE,

WASHINGTON, 1978-79

Year	Honey					Beeswax		
	Colonies	Yield Per Colony	Production	Price Per Pound	Total Value	Production	Price Per Pound	Total Value
	000 Col.	Lbs.	000 Lbs.	Cents	000 Dol.	000 Lbs.	Cents	000 Dol.
1978	82	34	2,788	54.9	1,531	53	196.0	104
1979	80	38	3,040	54.0	1,642	40	168.0	67

HONEY: COMMERCIAL PRODUCTION IN APIARIES WITH 300 OR MORE COLONIES,

WASHINGTON, 1978-79

Year	Colonies of Bees	Yield Per Colony	Honey Production
	000 Col.	Lbs.	000 Lbs.
1978	69	37	2,553
1979	67	38	2,546

MINK: PELTS PRODUCED IN 1978-79 AND FEMALES BRED FOR 1979-80

WASHINGTON

Color Class & Ranches	Mink Pelts Produced		Females Bred to Produce Kits	
	1978	1979	1979	1980
	000 Pelts		000 Females	
Standard	78.5	88.2	25.4	27.9
Pastel	18.7	10.6	4.7	3.7
Pale Brown	2/	2/	2/	2/
Sapphire	8.9	9.5	2.6	2.0
Gunmetal	14.6	16.7	4.3	4.8
Pearl	2/	2/	.28	2/
Lavender-Hope	.96	1.0	.82	2/
Violet Type	4.9	6.2	1.3	2/
White	2/	2/	2/	2/
Pink	2/	2/	0.0	0.0
Demi-Buff 1/	38.6	18.5	6.3	5.1
Ranch Wild	*	*	*	5.6
Total	167.0	172.0	45.9	53.3
Producing Ranches	Number			
	55	49	---	---

1/ This color class for females bred includes Demi-Buff-Dark Brown and crosses of Violet, Pastel, Standard, Pearl, and others. 2/ Included in total to avoid disclosing individual operations. * Included in Demi-Buff.

MONTHLY INDEX NUMBERS OF PRICES RECEIVED.

BY WASHINGTON FARMERS, 1978-79 1/

(1910-14 Average = 100)

Commodity Group	Jan.	Feb.	Mar.	Apr.	May	June
All Farm Products						
1978	439	510	537	554	611	650
1979	595	600	616	619	626	635
Livestock & Products						
1978	464	481	512	526	535	532
1979	628	652	681	688	673	646
Meat Animals						
1978	629	672	754	799	830	850
1979	982	1,033	1,112	1,139	1,107	1,037
Dairy Products						
1978	520	519	515	519	515	515
1979	592	594	590	585	581	585
Poultry & Eggs						
1978	156	164	176	160	160	120
1979	192	211	218	215	206	196
All Crops						
1978	512	528	553	571	658	723
1979	575	567	575	577	597	628
Food Grains						
1978	359	378	396	409	428	433
1979	431	419	422	431	449	511
Feed Grains & Hay						
1978	347	350	337	342	322	364
1979	348	355	353	349	368	413
Other Cash Crops						
1978	396	383	375	358	352	346
1979	328	304	326	329	333	346
Fruit Crops						
1978	815	850	923	980	1,286	1,523
1979	924	926	941	921	962	956
Commercial Vegetables						
1978	731	731	731	731	731	731
1979	895	895	895	925	925	926

1/ Preliminary.

MONTHLY INDEX NUMBERS OF PRICES RECEIVED,

BY WASHINGTON FARMERS, 1978-79 1/

(1910-14 Average = 100)

July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
667	660	614	564	576	585	581
648	645	684	621	634	656	623
531	541	565	569	571	590	535
636	621	653	617	636	643	648
809	821	863	862	841	875	800
1,009	961	1,020	941	972	980	1,024
519	532	545	562	583	587	536
585	593	610	615	619	619	597
166	170	185	177	184	200	168
195	194	207	177	197	213	202
751	733	644	561	579	582	616
655	660	703	623	632	634	619
438	440	436	432	435	437	418
489	521	530	509	511	494	476
355	348	328	326	334	331	340
467	481	473	478	499	483	422
475	362	327	314	323	324	361
427	354	345	338	348	348	344
1,504	1,487	1,176	878	940	944	1,109
1,035	1,033	1,193	925	949	1,101	989
875	924	920	901	895	895	816
941	958	946	945	941	941	928

AVERAGE PRICES RECEIVED BY WASHINGTON FARMERS - 1978

COMMODITY	Unit	January	February	March	April
Wheat	Dollars Per Bu.	2.83	2.98	3.21	3.22
Oats	" " "	1.34	1.34	1.37	1.45
Barley	" " "	1.90	1.94	2.05	2.12
Rye	" " "	2.25	2.38	2.43	2.59
Potatoes	" " Cwt.	2.75	2.60	2.65	2.80
Apples (Fresh)	Cents Per Pound	11.50	12.60	13.80	15.40
Beans (Dry Edible)	Dollars Per Cwt.	23.20	23.40	21.30	20.10
Peas (Dry Edible)	" " "	15.45	13.65	12.50	10.70
All Hay Baled	" " Ton	50.50	50.00	46.50	45.00
Alfalfa Hay Baled	" " "	55.00	55.00	52.00	50.00
All Other Hay Baled	" " "	40.00	37.50	32.50	32.50
Beef Cattle	" " Cwt.	36.50	39.40	44.60	47.80
Cows	" " "	27.30	30.50	32.70	35.00
Steers and Heifers	" " "	39.40	42.70	47.60	51.30
Calves	" " "	37.50	44.30	47.70	53.50
Sheep	" " "	7.00	7.00	9.00	9.00
Lambs	" " "	63.70	63.40	63.00	65.00
Wool	Cents Per Pound	59.00	55.00	61.00	70.00
Chickens (Farm)	" " "	7.20	7.20	7.70	7.70
Broilers	" " "	28.10	29.30	30.20	31.00
Eggs	" " Dozen	43.80	46.90	52.70	44.90
Milk (All Fluid)	Dollars Per Cwt.	10.20	10.20	10.10	10.20
Milk Cows	" " Head	500.0	535.00	565.00	610.00

AVERAGE PRICES PAID BY WASHINGTON FARMERS FOR FEED - 1978

COMMODITY	Unit	January	February	March	April
Chick Starter	Dollars Per Ton	173.00	166.00	177.00	181.00
Broiler Grower	" " "	182.00	174.00	179.00	186.00
Laying Feed	" " "	152.00	146.00	158.00	156.00
Dairy Feed 14% Protein	" " "	128.00	125.00	128.00	129.00
Dairy Feed 16% Protein	" " "	134.00	132.00	135.00	138.00
Bran	" " Cwt.	9.70	9.70	9.70	9.60
Middlings	" " "	7.90	7.90	7.90	7.70
Corn Meal	" " "	7.10	7.80	7.60	7.90
Soybean Meal 44% Protein	" " "	14.00	14.00	15.50	15.50
Cottonseed Meal 41% Protein	" " "	12.00	11.50	12.00	11.50

AVERAGE PRICES RECEIVED BY WASHINGTON FARMERS - 1978

May	June	July	August	September	October	November	December
3.37	3.41	3.45	3.46	3.43	3.40	3.42	3.42
1.46	1.41	1.41	1.42	1.52	1.58	1.62	1.68
2.11	2.22	2.06	2.03	1.82	1.72	1.80	1.79
2.87	2.51	2.19	1.84	1.99	2.00	2.09	2.08
3.05	3.05	4.19	3.95	2.65	2.60	2.30	2.35
22.80	26.60	25.90	23.70	15.90	12.40	13.80	13.90
18.40	17.40	15.80	16.00	15.70	16.80	16.50	17.30
10.35	9.65	9.10	7.75	7.05	6.85	7.30	8.20
39.00	49.00	47.50	46.50	44.00	45.50	46.50	46.00
42.50	52.50	50.00	49.00	47.00	48.50	50.00	50.50
30.00	40.50	40.50	40.00	35.50	37.50	37.50	35.00
51.70	49.90	49.90	48.90	50.90	50.20	48.40	51.40
37.50	35.50	37.50	36.80	38.30	39.60	39.50	40.90
55.80	54.40	53.00	51.60	53.70	53.00	52.00	55.40
57.20	57.70	56.00	57.00	61.50	63.20	62.60	65.20
9.00	11.30	11.00	13.00	13.60	13.60	13.40	14.80
61.50	58.50	57.50	60.80	72.30	63.70	59.40	61.10
68.00	68.00	72.00	71.00	69.00	80.00	81.00	70.00
7.70	7.70	7.70	8.10	8.20	8.20	8.20	8.20
31.50	33.00	34.00	30.30	31.00	31.30	30.30	29.70
45.00	37.30	43.10	45.60	52.30	48.00	52.50	55.60
10.10	10.10	10.20	10.50	10.80	11.20	11.70	11.80
655.00	695.00	745.00	765.00	810.00	860.00	900.00	950.00

AVERAGE PRICES PAID BY WASHINGTON FARMERS FOR FEED - 1978

May	June	July	August	September	October	November	December
186.00	188.00	186.00	165.00	163.00	168.00	179.00	172.00
200.00	188.00	189.00	180.00	177.00	178.00	178.00	180.00
159.00	163.00	162.00	142.00	141.00	145.00	147.00	154.00
133.00	133.00	134.00	127.00	127.00	130.00	129.00	131.00
141.00	139.00	143.00	133.00	132.00	137.00	135.00	140.00
8.90	8.90	8.90	8.50	8.50	8.80	9.00	9.10
7.30	7.30	7.30	7.10	7.10	7.50	7.70	7.90
8.10	8.20	8.20	8.00	7.90	8.10	8.00	8.70
14.00	14.00	14.00	14.00	14.50	15.00	15.00	15.50
12.00	13.00	13.00	13.00	13.50	13.50	13.00	13.00

AVERAGE PRICES RECEIVED BY WASHINGTON FARMERS - 1979

COMMODITY	Unit	January	February	March	April
Wheat	Dollars Per Bu.	3.39	3.30	3.32	3.39
Oats	" " "	1.68	1.67	1.69	1.70
Barley	" " "	1.80	1.76	1.84	1.91
Rye	" " "	2.01	2.04	2.02	2.07
Potatoes	" " "	2.00	1.60	2.45	2.20
Apples (Fresh)	Cents Per Pound	13.60	13.80	13.40	12.90
Beans (Dry Edible)	Dollars Per Cwt.	18.40	18.90	18.70	18.00
Peas (Dry Edible)	" " "	8.40	8.30	7.65	7.75
All Hay Baled	" " Ton	49.00	49.00	47.00	45.00
Alfalfa Hay Baled	" " "	54.50	54.50	52.50	50.00
All Other Hay Baled	" " "	34.50	34.50	32.00	33.50
Beef Cattle	" " Cwt.	60.70	65.10	72.10	74.80
Cows	" " "	47.30	51.30	52.70	55.20
Steers and Heifers	" " "	63.50	67.10	75.00	78.20
Calves	" " "	74.00	81.70	84.50	86.10
Sheep	" " "	---	---	---	18.00
Lambs	" " "	68.40	63.80	65.90	70.00
Wool	Cents Per Pound	---	72.00	76.00	85.00
Chickens (Farms)	" " "	9.10	9.00	9.10	12.00
Broilers	" " "	31.60	33.00	33.00	33.00
Eggs	" " Dozen	55.60	51.90	55.80	59.30
Milk (All Fluid)	Dollars Per Cwt.	11.80	11.80	11.70	11.60
Milk Cows	" " Head	1,050.00	1,110.00	1,140.00	1,230.00

AVERAGE PRICES PAID BY WASHINGTON FARMERS FOR FEED - 1979

COMMODITY	Unit	January	February	March	April
Chick Starter	Dollars Per Ton	177.00	183.00	195.00	200.00
Broiler Grower	" " "	187.00	194.00	205.00	215.00
Laying Feed	" " "	154.00	154.00	165.00	171.00
Dairy Feed 14% Protein	" " "	136.00	135.00	141.00	142.00
Dairy Feed 16% Protein	" " "	140.00	143.00	150.00	151.00
Bran	" " Cwt.	9.10	8.50	9.30	9.50
Middlings	" " "	8.00	7.50	7.00	7.00
Corn Meal	" " "	8.50	8.30	9.10	8.80
Soybean Meal 44% Protein	" " "	16.00	16.00	16.50	17.50
Cottonseed Meal 41% Protein	" " "	13.00	14.00	14.50	14.00

AVERAGE PRICES RECEIVED BY WASHINGTON FARMERS - 1979

May	June	July	August	September	October	November	December
3.53	4.02	3.85	4.21	4.17	4.01	4.02	3.89
1.75	1.78	1.78	1.69	1.69	1.69	1.69	1.68
1.95	2.18	2.45	2.36	2.57	2.54	2.85	2.52
2.07	2.51	1/					
2.20	2.10	3.10	3.20	2.25	2.25	2.70	2.45
12.80	12.60	14.80	21.00	18.90	11.90	12.60	14.00
19.00	21.90	22.90	22.00	21.70	20.50	22.20	24.10
8.25	9.60	10.75	10.95	10.50	9.80	9.45	9.45
51.50	62.50	63.50	65.00	65.00	67.00	68.50	75.00
56.00	67.00	68.00	68.50	70.00	73.00	75.00	80.00
40.00	50.00	50.00	55.00	50.00	49.50	52.50	60.00
72.70	67.90	65.00	62.50	65.80	60.10	63.10	62.90
55.20	49.50	47.40	43.50	45.70	42.50	43.00	45.20
75.60	70.70	68.40	65.70	68.90	63.50	68.50	68.00
84.00	82.50	77.20	76.60	81.20	77.50	76.80	74.00
---	---	16.00	15.40	13.80	13.80	13.80	8.50
66.30	62.00	59.80	56.50	61.00	63.80	69.90	64.50
80.00	80.00	90.00	71.00	75.00	82.00	83.00	82.00
12.00	10.20	10.20	10.20	10.20	6.20	6.20	6.20
32.50	31.50	31.50	29.20	26.70	25.50	24.80	26.00
57.70	49.60	45.30	45.10	46.20	53.00	41.70	52.00
11.50	11.60	11.60	11.90	12.10	12.20	12.30	12.30
1,230.00	1,250.00	1,250.00	1,260.00	1,280.00	1,300.00	1,300.00	1,300.00

1/ Estimates discontinued after 1978 crop year.

AVERAGE PRICES PAID BY WASHINGTON FARMERS FOR FEED - 1979

May	June	July	August	September	October	November	December
199.00	200.00	210.00	205.00	196.00	200.00	197.00	205.00
210.00	215.00	225.00	215.00	210.00	210.00	205.00	215.00
171.00	173.00	189.00	185.00	178.00	188.00	182.00	186.00
142.00	144.00	156.00	157.00	153.00	157.00	155.00	159.00
150.00	153.00	162.00	162.00	160.00	164.00	162.00	165.00
9.90	10.00	10.00	10.00	10.00	10.00	9.40	9.40
7.10	7.40	7.50	7.50	7.50	8.00	8.20	8.20
8.90	9.10	9.40	10.00	9.70	9.80	9.50	9.60
17.00	17.50	18.00	17.00	17.00	17.00	16.50	17.00
14.50	14.50	15.00	15.00	15.00	15.50	14.50	15.00

CONSUMER PRICE INDEX*
SEATTLE - SELECTED GROUPS - 1978-79

(1967 = 100)	March	
	1978	1979
All Items	187.2	207.0
Food	198.8	223.6
Food at Home	198.9	218.8
Cereals and Bakery Products	193.8	203.7
Meats, Poultry, and Fish	205.3	244.9
Dairy Products	176.8	188.1
Fruits and Vegetables	173.0	192.5
Other Foods at Home	243.6	254.1
Food Away from Home	200.3	236.2
Housing	199.6	220.4
Fuel and Utilities	186.1	198.0
Fuel, Oil, and Coal	271.3	313.1
Household Furnishings and Operation	171.7	185.6
Apparel and Upkeep	155.9	164.9
Men's and Boys'	158.6	165.6
Women's and Girls'	139.4	145.0
Footwear	166.8	175.8
Transportation	165.6	187.0
Medical Care	208.7	227.1

* Source: Bureau of Labor Statistics - U. S. Dept. of Labor.

PRICES PAID BY WASHINGTON FARMERS, 1978-79

Selected Production Items	Dollars	
	1978	1979
MACHINERY AND HARDWARE:	March	
Farm Tractors, Wheel Type, 110-129 H.P., Ea.	29,000.00	30,000.00
Combines, Self-Propelled, Large Capacity, Ea.	---	---
Disk Harrow, Tandem, 16 Ft., Ea.	5,200.00	6,000.00
Pick-Up Baler, PTO, Ea.	---	---
Posts, Steel (Line Fence), Ea. 1/	2.20	2.40
LUMBER AND BUILDING MATERIAL:	April	
Framing Lumber, 2"x4" Fir, Std. & Better, M.Bd. Ft.	320.00	345.00
Portland Cement, Per 94 Lb. Bag (Net)	4.85	5.50
Dressed Boards, No. 2 & Better, Per M Bd. Ft.	270.00	310.00
Rough Boards, Per M Bd. Ft.	260.00	290.00
Roofing, Galvanized Steel, 28-29 Gauge, 100 Sq. Ft.	29.00	36.50
MOTOR SUPPLIES	January	
Gasoline, Regular, Bulk Delivery, Per Gal.	.61	.65
Diesel Fuel, Per Gal.	.45	.46
Tractor Tires, 18.4-34, 6 Ply, Ea.	310.00	310.00
Truck Tires, 7.50-20, 10 Ply, Ea. 2/	95.00	140.00

1/ February, May, August, and November. 2/ 1979 data is for 9.00-20 10 ply truck tires.

CONSUMER PRICE INDEX*
SEATTLE - SELECTED GROUPS, 1978-79

May		September		November	
1978	1979	1978	1979	1978	1979
193.5	212.4	201.0	222.6	202.6	227.6
208.9	227.2	206.6	225.9	208.2	230.4
211.0	222.9	201.7	219.0	203.5	221.2
199.9	207.1	195.3	209.9	194.3	214.1
226.9	257.3	215.5	236.2	217.7	235.7
179.6	188.1	173.4	190.6	179.4	193.9
198.6	192.4	178.1	187.2	174.0	189.3
249.2	256.9	243.2	267.1	247.6	270.6
205.8	238.5	219.4	243.0	220.4	253.0
207.2	225.5	219.5	239.2	220.4	245.3
186.3	206.0	188.5	225.2	190.4	231.0
272.6	342.7	271.8	462.7	277.7	471.8
174.0	186.3	177.3	188.6	181.3	194.4
158.6	167.7	161.2	171.2	160.8	172.5
164.4	169.5	163.1	173.4	161.9	174.3
142.5	147.3	145.9	148.2	143.6	150.6
166.8	179.3	164.3	180.8	167.5	185.1
170.6	197.1	178.7	211.5	180.7	215.5
210.7	228.0	215.9	234.2	220.1	240.0

* Source: Bureau of Labor Statistics, U. S. Dept. of Labor.

PRICES PAID BY WASHINGTON FARMERS, 1978-79

Dollars					
1978	1979	1978	1979	1978	1979
June		September		December	
30,000.00	31,500.00	30,000.00	32,500.00	---	---
55,500.00	69,000.00	61,000.00	66,500.00	---	---
---	---	5,700.00	7,800.00	---	---
5,900.00	6,400.00	---	---	---	---
2.20	2.50	2.45	2.55	2.45	2.50
August		October		December	
345.00	350.00	335.00	405.00	350.00	355.00
4.80	5.60	4.95	5.60	5.20	5.70
280.00	315.00	300.00	345.00	310.00	335.00
260.00	290.00	300.00	320.00	285.00	320.00
34.00	37.00	34.00	41.50	35.50	39.50
April		July		October	
.61	.71	.64	.84	.65	.95
.44	.53	.44	.69	.44	.80
305.00	315.00	310.00	315.00	305.00	315.00
95.00	140.00	98.00	145.00	98.00	165.00

FARM EMPLOYMENT AND WAGE RATES, BY QUARTERS 1/

WASHINGTON, 1978-79

	Year	January	April	July	October
		- Thousands -			
Farm Employment					
Total	1978	49	67	104	84
	1979	44	70	114	93
Family	1978	35	35	43	40
	1979	30	41	42	34
Hired	1978	14	32	61	44
	1979	14	29	72	59
		- Dollars -			
Farm Wage Rates					
All Hired Farm Workers	1978	3.89	3.68	3.50	3.98
	1979	4.20	3.95	3.77	4.37
Method of Pay:					
By Piece Rate	1978	4.14	3.65	3.50	4.20
	1979	2/	2/	2/	4.58
By Other Than Piece Rate	1978	3.86	3.68	3.50	3.89
	1979	4.20	3.95	3.91	4.14
By Hour Cash Wages Only	1978	3.42	3.56	3.30	3.79
	1979	3.62	3.74	3.78	4.00
Type of Work:					
Field	1978	3.80	3.49	3.25	3.90
	1979	3.71	3.56	3.56	4.42
Livestock	1978	3.40	3.44	3.64	3.62
	1979	3.85	4.01	4.08	3.82
Packinghouse	1978	3.25	3.43	3.39	3.60
	1979	2/	2/	2/	3.95
Machine Operators	1978	3.90	3.73	3.81	3.85
	1979	2/	3.96	3.83	3.85
Supervisors	1978	5.55	5.30	5.24	5.30
	1979	5.95	5.88	5.25	5.35

1/ Covers the week which includes the 12th of the month specified.
2/ Insufficient data for this category--data included in all hired farm workers.

CUT FLOWER AND FOLIAGE PLANT PRODUCTION,

WASHINGTON, 1978-79

Commodity	Producers		Production Area		Number Sold	
	1978	1979	1978	1979	1978	1979
	Number		000 Sq. Ft.		000 Pots	
Potted Plants:						
Chrysanthemums	24	20	210	228	438	484
Geraniums	39	40	402	431	1,251	1,221
Lilies	16	16	142	134	203	206
Hydrangeas	13	11	54	43	32	38
Poinsettias	33	34	862	840	563	545
Roses:					000 Blooms	
Hybrid Tea	5	5	352	337	3,174	3,091
Sweetheart	5	5	165	169	1,872	1,800
Bedding Plants:					000 Flats	
Flowering	41	44	1,175	1,163	762	538
Vegetable	28	36	173	318	105	145

CUT FLOWER AND FOLIAGE PLANT VALUE IN WASHINGTON,

1978-79

Commodity	Average Value Per Square Foot 1/		Sales at Wholesale		Per Unit Wholesale Price		Value of Sales at Wholesale 1/	
	1978	1979	1978	1979	1978	1979	1978	1979
	Dollars		Percent		Dollars		000 Dollars	
Potted Plants:								
Chrysanthemums	5.42	6.16	88	97	2.60	2.90	1,139	1,404
Geraniums	2.15	2.82	80	82	.69	.95	863	1,150
Lilies	3.32	3.84	98	97	2.32	2.50	471	515
Hydrangeas	1.78	2.65	91	92	2.99	3.00	96	114
Poinsettias	1.66	1.63	95	94	2.54	2.52	1,430	1,373
Roses:								
Hybrid Tea	2.79	3.03	100	100	.309	.330	981	1,020
Sweetheart	2.68	2.86	100	100	.236	.269	442	484
Bedding Plants:								
Flowering	2.13	2.35	85	87	3.28	5.08	2,499	2,733
Vegetable	2.87	1.81	78	84	4.72	5.01	496	576

1/ Equivalent wholesale value for all sales.